CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Plant, Hopewell, Va., Atmospheric Nitrogen Co., Solvay, Syracuse, N. Y., expending $35,000,000.

Theatre, apartment and store, Chicago, Ill., Syndicate c/o L. J. Lesser, sketches $15,000,000.

Theatre, Boston, Mass., Fox Films, New York, N. Y., $5,000,000.

Produce terminal, Detroit, Mich., Detroit Union Produce Terminal Co., $5,000,000.

Sewers, Detroit, Mich., Wayne Co., $3,220,000.

Hotel, Long Branch, N. J., W. H. Pawson, New York, N. Y., sketches, $3,000,000.

Roads, Quebec, Que., election soon, $2,217,343.

Schools, St. Joseph, Mo., Bd. Educ., $2,180,000.

Roads, Lubbock, Tex., Lubbock Co., defeated, $2,000,000.

Dance studio, New York, N. Y., Dance Guild, M. Iota, in charge, $2,000,000.

Bridge, Pensacola, Fla., Johnson, Drake Piper Inc., $2,000,000.

Theatre, Cleveland, O., Cleveland Union Terminal Co., $2,000,000.

University, Fayetteville, Ark., University of Arkansas, sketches, $1,800,000.

Hotel and store, Wichita, Kan., R. Otstat, Blackwell, Okla., $1,500,000.

Apartment, New York, N. Y., S. Astor, $1,500,000.

Warehouse, Chicago, Ill., Anderson, Probst & White, archts., soon takes bids for General Electric Co., Schenectady, N. Y., $1,500,000.

Theatre, Phila., Pa., Stanley Co., of America, $1,250,000.

Sewers, Owensboro, Ky., voted $1,200,000.

Grade separation, Detroit, Mich., Wayne Co. Rd. Com., $1,200,000.

Club house, Milwaukee, Wis., Milwaukee Country Club, soon lets contract, $1,000,000.

Exhibition, Detroit, Mich., Municipal Airport, $1,000,000.

Apartment, New York, N. Y., Beaux Arts Development Corp., $1,000,000.

Grain elevator, Kansas City, Kan., Wood Bros. Corp., Kansas City, Mo., $1,000,000.

Generating station, Michigan City, Ind., Northern Indiana P. Service Co., to exceed $1,000,000.

Hotel, New York, N. Y., Beaux Arts Development Corp., $1,000,000.

Club, Glenview, Ill., Glenview Jockey Club, c/o G. J. Steinmetz, Chicago, $1,000,000.

Hosiery and textile plant, Greensboro, N. C., Mock, Judson, Voehringer Co. Inc., $1,000,000.

Plant, Massena, N. Y., Aluminum Co. of America Pittsburgh, Pa., soon takes bids, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 316.

Shops, etc., Beaumont, Tex., Kansas City Southern Ry. Co., A. N. Reese, Kansas City, Mo., ch. engr., lets contracts after Jan. 1, $1,000,000.

Bids Asked

Hospital, New York, N. Y., Italian Benevolent Institute, bids about Jan. 15, $2,000,000.

Church, apartment, New York, N. Y., E. Roth, archt., taking bids excavation and steel, for New York City Baptist Mission Society, $1,100,000.

Bids Received

High school, Woodhaven, (Ind. br. Jamaica), N. Y., W. C. Martin, archt. and supt., School Buildings, general contract from G. F. Driscoll, Brooklyn, $1,708,780.

Contracts Awarded

Cars, etc., Hamilton, Ont., Canadian Pacific R.R., Windsor Sta., Montreal, Que., to National Steel Car Co. Ltd., $5,600,000.

Irrigation, etc., Cotulla, Tex., La Salle Co. Impvt. Dist. 1, contingent contract to Trinity Farm Constr. Co., Dallas, $4,500,000.

Department store, Toronto, Ont., F. Eaton Co. Ltd., foundations to Fuller Constr. Co. of Canada and structural steel to McGregor-McIntyre Co. Ltd., est. $2,500,000, total est. $10,000,000.

Construction News of the Week

Waterworks

Proposed Work

Mich., Clio — Mains, pumping station, sewage treatment plant and sewer system. $100,000. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ia., Fort Dodge—Bids in March or later improving waterworks, incl. iron removal plant of 4 m.g. capacity. $175,000. C. H. Reynolds, City Hall, engr. H. N. Jenks, Ames, consult. engr.

Mo., Drexel—Preliminary plans complete waterworks, distribution system. W. B. Rollins & Co., 339 Ry. Exch. Bldg., Kansas City, engrs.

Ark., Holly Grove—Waterworks & Sewerage Impvt. Dist. 1, B. J. Lambert, chn., preliminary plans complete waterworks, sewerage system. Lund Eng. Co., Home Insurance Bldg., Little Rock, engrs.

Tex., Abilene — Improving waterworks, incl. 24,000,000,000 reservoir on Elm Creek, 12 mi. north of here, and piping to city limits. $350,000. Address W. A. Riney, city engr. Noted Nov. 29.

Bids Asked

Mass., Barre—Jan. 4, at office Metropolitan Dist. Water Supply Comn., 24 School St., Boston, furnishing 278 tons iron castings, for Ware River Intake Works of Wachusett-Coldbrook Tunnel. F. E. Winsor, ch. engr.; adv. E. N.-R. Dec. 13.

Mass., Boston — Dec. 14, by P. Wks., water pipe tunnel, laying water pipes in Congress St. $50,000 bond. Former bids rejected. J. H. Sullivan, comr. Noted Sept. 13.

N. J., Bayonne — Dec. 19, by Bd. City Comrs., City Hall, lowering existing 30 in. c.i. submarine pipe (watermains) across Hackensack River, near Lincoln Hy. Clyde Potts, 30 Church St., New York, consult. engr.; adv. E. N.-R. Dec. 13.

N. J., South Orange — Dec. 14, by Bd. Village Trustees, Village Hall, 1,580 lin.ft. 6 in. and 1,600 lin.ft. 8 in. c.i. bell and spigot, pipe and specials, 2 water storage basins, rein.-con., at pumping station. $15,000. I. T. Redfern, village engr.

Tenn., Memphis—Dec. 19, by Bd. Water Comrs., Water Dpt., 24 in. gate valve, one 24 in. and one 30 in. check valves, f.o.b. Parkway Plumbing Station. J. Sheahan, genl. supt.

Mich., Detroit—Dec. 19, by Secretary Bd. Water Comrs., Water Board Bldg., Dix Ave. Pipe Tunnel, 417 ft. 8 ft. concrete pipe, two 9 ft. shafts. $40,000. G. H Fenkell, 735 Randolph St., genl. mgr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ia., Hornick — Dec. 17, by L. C. Clary, city clk., steel tank on tower, deep well, pumps, pump house, 9,000 ft. c.i. mains, 13 hydrants, valves, boxes. W. E. Buell & Co., Grain Exch. Bldg., Sioux City, engrs.

Ont., Niagara Falls — Water Comn., A. Collins, 981 Jepson St., chn., bids about Feb. 1, 170 x 210 ft., stone pumping station, filtration plant, extending mains. $500,000. F. A. Dallyn, 71 King St. W., Toronto, engr. Noted Dec. 6.

Ont., Port Colborne — See "Contracts Awarded."

Contracts Awarded

R. I., East Providence (br. Providence)—Water drain in Bway., to F. W. Christy, 303 Chapman St., Providence. Est. $15,000.

R. I., Warwick—Town Clerk, Town Hall, c.i. mains, appurtenances, to H. W. Golden, Burdett Ave., Troy, N. Y., $215,483. Est. $200,000. Noted Dec. 6.

N. J., Jersey City and Newark—Joint Bridge Comn., Hall of Records, Newark, new water line and tank on Jackson St. Bridge, and water line on Bridge St., to American Plumbing Co., Sip Ave., Jersey City, $41,889. Noted Dec. 6.

O., Portsmouth — Bd. Control, supplimental contract covering rein.-con. found., 40 x 50 ft., on which wall will be built, also retaining wall in rear of reservoir for waterworks, to Hodge Constr. Co., Cincinnati, $118,335.

Ind., Evansville — Bd. Trustees Waterworks Dpt., 3rd and Walnut Sts., two 100,000 gal. elevated tanks, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $20,680, foundations, to Floyd Shoener & Co., Evansville, $3,008. Noted Nov. 15.

Ont., Port Colborne—For 1½-2 mi. 6 in. and up c.i. mains, day labor, under supervision W. Guinter, supt. $25,000.

Que., Montreal—New pumping station in McTavish St., to Atlas Constr. Co. Ltd., 37 Belmont St., $762,091. Noted Nov. 15.

Sewers

Proposed Work

N. J., Oradell—Bd. Boro Council, Boro Hall, bids latter part December or January, sewerage system in 2nd Hill Dist. $100,000. J. Hardings, Jr., 170 Bway., New York, engr. Noted Nov. 29.

See proposal advertising on page 127

Constr. News page 313

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Laid 10 miles of water main—and satisfactory in every particular!

—said a waterworks engineer of national reputation, referring to this installation

Here is the story:—

THE Second Taxing District, South Norwalk, Connecticut, U.S.A., has just completed the installation of approximately ten miles of cast iron bell and spigot water mains, varying in size from 6" to 18". The work included the placing of about fifty cutting-in-tees on existing piping and their connection to new work.

Leadite was selected for jointing material after receiving competitive bids for laying with lead.

The total amount of the successful bids for all work, excepting the furnishing of the cast iron pipe, specials and valves, was as follows:

Lead Joints	$155,631
LEADITE Joints	142,535
Difference	$ 13,096
Saving in favor of **LEADITE**	8.4%

The work was performed by contractors experienced in the use of this material and was satisfactory in every particular.

Specifications required that after laying, the pipe should be tested for leakage under water pressures varying from 40 pounds to 115 pounds per square inch, and that the leakage should not exceed two gallons per 24 hours per linear foot of joint. The results of the tests were well within this limit.

This work was under the direction and supervision of Mr. Nicholas S. Hill, Jr., Consulting Engineer, 112 East 19th Street, New York, N.Y., U. S. A.

Leadite is used extensively by thousands of water works engineers, superintendents and contractors with excellent results.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Sewers (Continued)

N. J., Westfield—Town Council, Town Hall, preliminary plans storm sewer in Shadow Lawn Dr. $25,000. J. Hopkins, town engr.

N. J., Westfield—Town Council, Town Hall, preliminary plans storm sewer in Cedar Terrace, Priscilla Lane, Raymond St., Kimball and Standish Aves. $65,000. J. Hopkins, town engr.

N. C., Statesville—See "Unclassified."

Fla., Jacksonville—For 3 in. vitr brick on 4 in. lime rock paving Missouri Ave., Jefferson and State Sts. $45,000—Boulevard St., $47,000—6 in. concrete paving Standish Pl., 9 streets Ingleside and Belvedere Aves., $67,904—2 in. asphalt on 6 in. concrete paving Margaret and Myra Sts. $9,800—2 in. asphaltic concrete on 6 in. lime rock paving 4 streets $36,236—improving Beaver St. $179,538. W. E. Sheddan, city engr. Noted Sept. 20.

O., Lima—Preliminary estimates treatment works. $1,000,000 bonds defeated. H. P. Jones & Co., 1601 2nd Natl. Bank Bldg., Toledo, engrs.

Mich., Detroit—Wayne Co., plans concrete box and cylindrical sewer with concrete or vitr. sewers in D.D. 5, incl. territory in Wyandotte and Ecorse Twp., $3,220,000. G. A. Dingeman, Lawyers Bldg., comr. Drainage Comn.

Colo., Colorado Springs—See "Streets and Roads."

Calif., Richmond—Storm water sewers in various sections city. $300,000. E. A. Hoffman, city engr.

Bids Asked

N. Y., Long Island City—Dec. 19, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Baisley and Queens Blvds., Nassau, 32nd (Burnside), 97th, 109th and Jamaica Aves., Mazeau, Grand, Palmetto, 149th and 190th Sts.

N. Y., New York—Dec. 17, by J. Miller, pres. Manhattan Boro, Municipal Bldg., improving and extending outlet sewer in 151st St. between 7th Ave. and Harlem River, incl. construction storm overflow and sanitary submerged outlet to pierhead line.

N. J., Newark — Dec. 15, by Bd. City Comrs., City Hall, repairing Central Relief Sewer, 4,600 cu.yd. excav., 108 ft., rein.-con. pipe. $25,000. J. W. Costello, city engr.

N. J., Union — Dec. 17, by Twp. Com., Township Hall, 4,500 ft. 8 in. sanitary sewers in Tuexdo and Augustine Pls. $55,000. H. Kreh, Falls Bldg., twp. engr. Noted Oct. 11 and 18.

Pa., Phila.—Dec. 19, by Dpt. P. Wks., Bureau of Engineering & Surveys, A. Murdock, dir., Schedule A, branch sewers; Schedule B, main sewer in Hellerman St.; Schedule C, sewage disposal plant; Schedule D. Lycoming Street Bridge over Richmond Branch Reading Co., bridge over Cables Creek, below 65th St. and Florence Ave.

O., Apple Creek—Dec. 27, by J. E. Harper, dir. Dept. Welfare, 9th and Oak Sts., Columbus, sewers and disposal plant at Institution for Feeble Minded. Noted July 5.

Mich., Detroit—Dec. 19, by J. W. Reid, comr. P. Wks., 2,642 ft. 10 ft. to 7 ft. cylinder sewer in Southfield Sewer Sect. A; 1,247 ft. 3-barrel 18½ x 21 ft. 9 in. box in Connors Creek Outfall Sewer, Sect. A; 2,685 ft. 9 ft. to 5 ft. cylinder in Regular Ave. Arm, West of Cavalry Ave.; 2,537 ft. 5½ ft. to 2 ft. 9 in. cylinder in Paul Ave. Arm East of Southfield Sect. 2. P. A. Fellows, City Hall, engr.

Ill., Rockford—Jan. 9, by Sanitary Dist. of Rockford, 130 North 1st St., Lane Street River Crossing Sewer, South Branch Kent River, Michigan Avenue and East Side Low Level Intercepting Sewers, Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Dec. 13. Noted Oct. 18.

Neb., Wauneta—Jan. 7, by C. A. Nesmith, clk., sanitary sewer in Dist. 1, 12,200 ft. 8- to 12 in. pipe, 900 ft. 8 in. Class "C" c.i. pipe, disposal plant, 38 manholes, 5 flush tanks, 1,000 ft. 2 in. galvanized pipe. $28,972. Henningson Eng. Co., Union State Bank Bldg., Omaha, engrs. Noted Nov. 1.

Ont., Hamilton—See "Contracts Awarded."

Bids Received

Mo., St. Louis—Bd. P. Serv., City Hall, Dec. 4, 5,650 ft. 32 ft. rein.-con. horseshoe sewer in Sect. E, River Des Peres Project, from W. E. Callahan Constr. Co., Arcade Bldg., $871,272. Est. $1,035,040. Noted Nov. 15.

Contracts Awarded

R. I., East Greenwich — Sewer Comrs., sewerage system, disposal plant, to Cruise Constr. Co., 19 Dexter St., Pawtucket. Est. $250,000. Noted Nov. 29.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 55th and East 45th Sts., to F. Vaccaro, 1024 66th St., $2,526 and $1,687 respectively; East 43rd and East 55th Sts., to B. Peconi & Son, 570 18th St., $2,181 and $1,467 respectively. Grand total $7,861. Noted Dec. 13.

N. Y., Brooklyn — J. J. Byrne, pres., Brooklyn Boro, Boro Hall, sewers in East 95th St., to S. Guerriero Co., 1024 66th St., $901; in Newport St., to P. Tomasetti Contg. Co., 1074 60th St., $458. Noted Nov. 29.

Pa., Phila.—Dpt. P. Wks., Bureau of Eng. & Surveys, A. Murdock, dir., to Ernesto Ventres Co., 6016 Ross St., branch sewer in Coulter St. $20,619, Courtland St. $8,057; to A. DiSandro, 6400 North 5th St., Devereaux St. $25,064, 65th Ave. $19,043, main sewer in Knorr St. $28,816; to P. & A. J. Ellis, 4th and Wyoming Sts., branch sewer in Gerritt St. $6,641, 20th, Sterling and Renovo Sts. $36,028; to McCoal Constr. Co., 5033 Duffield Ave., Hasbrook Ave. $4,606; to V. Jafolla, Penna. Bldg., Juniper St. $7,774; to P. Pinciotti, 4103 Roosevelt Blvd., Knorr St. $6,936; to Sabatini Vallone Co., 2008 McKean St., Moore St. $3,919, 31st St. $12,126; to Henry W. Horst Co., 6900 State Rd., sewage disposal plant for Upper Delaware Collecting Sewer, $37,155. Grand total $216,784. Noted Nov. 15.

Mich., Detroit—Dpt. P. Wks., brick, steel, stone pumping station in Connors Creek Storm Water Pumping Station, to Lennane & McIlvenna, 7777 West Chicago Blvd., $956,448. Noted Sept. 27.

Ill., Metropolis—For 32,752 ft. 6- to 15-in. vitr. clay sewerage system, to J. R. Palmer, Danville, $35,861. Est. $53,000. Noted Oct. 11.

Mont., Miles City—For 11 mi. sewers, to O'Neil & Preston, 1369 Laurel Ave., St. Paul, Minn. $250,000. Noted Oct. 25.

Tex., Sinton—Extending 18,000 lin.ft. 12- to 30-in. sanitary sewers, to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio, $33,000. Noted Nov. 3, 1927.

Ont., Hamilton—Council, concrete and vitr. tile sewer in Wood St., day labor. $71,000. Noted Nov. 8.

Waste Disposal

Proposed Work

N. J., East Paterson—Bd. Boro Council, Boro Hall, preliminary plans disposal plant. $50,000. A. Noack, 106 Sommerset St., Garfield, engr.

Ont., Forest Hill—Concrete, brick, steel refuse incinerator. $40,000. Engineer not selected.

Ont., Ottawa — City, concrete, brick, stone, steel garbage incinerator. $30,000. A. F. Macallum, City Hall, engr.

Ont., Toronto—Concrete, brick, steel incinerator, radial brick chimney, north end city. $35,000-$50,000. R. C. Harris, City Hall, engr.

Que., Montreal—See "Unclassified."

Bridges

Proposed Work

Virginia — Seaboard Air Line Ry. Co., W. D. Faucette, ch. engr., Savannah, Ga., 80 ft. span bridge over Appomattox River between Hopewell and Petersburg

Fla., Pensacola—Johnson, Drake Piper, Inc., R. G. Patterson, engr., bridge across Pensacola Bay. $2,000,000.

O., Akron — Comrs. Summit Co. soon takes bids bridge, on West Tallmade Ave. extension. $75,000. H. G. Sours, Court House, engr.

O., Toledo—City Council bridge on City Park Ave. $70,000. L. T. Owen, City Hall, engr.

Mo., St. Louis—See "Streets and Roads."

Tex., Beaumont—Jefferson Co., c/o B. B. Johnson, judge, Beaumont, soon takes bids bridge across the intra-coastal canal near Port Arthur. $300,000. M. P. Fox, Galveston, dist. engr. Noted Nov. 15.

California—O. H. Klatt, pres. American Toll Bridge Co., 525 Market St., San Francisco, surveys, etc., Richmond-San Rafael Bridge across San Pablo Strait between northern section San Francisco and San Pablo Bay. C. Derleth, Jr., University of California, Berkeley, civil and consult. engr.

Calif., Los Angeles—For 2,738 ft. bridge over Los Angeles River, on 4th St. $2,000,000. M. Butler, city bridge engr.

Calif., Sacramento—Sacramento Co. applied to War Dpt., for application to construct concrete, steel draw bridge over American River, for City and County $600,000. C. W. Deterding, Sacramento, co. engr.

Bids Asked

New Jersey—Jan. 7, by State Hy. Comn., Trenton, underpinning, repairing bridge over main branch Newton Creek, Connecting Rd., Camden extension, Camden Co. A. L. Grover, ch. clk.

Pa., Phila.—See "Sewers."

Pa., Phila.—C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., taking bids bridges, Contr. 82-1928; coal, Contr. 83-1928.

Md., Baltimore—Dec. 19, by Bd. Awards, concrete, steel bridge over Pennsylvania R.R. on Wilkens Ave. N. L. Smith, highways engr.

Virginia — Dec. 27 (extended date), by State Hy. Comn., Richmond, bridge over West Branch Elizabeth River, Project S-473-B.

Ala., Mobile—Dec. 17, by Bd. Revenue Mobile Co., E. C. Doody, clk., 180 ft. double leaf bascule bridge, 20 ft. roadway, over Bayou la Batre, Road Impvt. 10.

Ohio—Dec. 21, by H. J. Kirk, dir. Hys., Columbus, concrete bridges in Columbiana, Franklin, Marion, Pickaway, Richland, Wayne and Wood Counties. $105,747.

Illinois—Dec. 19, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield (**r.c.s.b. means rein.-con. slab bridge and r.c.g.b. rein.-con. girder bridge**), three 40 ft. span r.c.g.b. Route 59, Sect. 119-B, Lake Co.—and two 140 ft. rein.-con. substructure, Route 80, Sect. 106-B, 140 ft. steel superstructure, Sect. 106-C, Carroll Co.—18 ft. r.c.s.b. and 60 ft. r.c.g.b., Route 83, Sect. 132-B, Stark Co.—four 55 ft. span r.c.g.b. Route 89, Sect. 117-B, Bureau Co.—two 16 ft., one 20 ft. and one 30 ft. span r.c.s. bridges, four 70 ft. span substructure, four 80 ft. span steel superstructure, Route 90, Sect. 104-B, Marshall Co.—two 100 ft. and three 60 ft. span creosoted timber substructures, Route 94-A, Sect. 116-C, Henderson Co.—75 ft. steel superstructure, Route 96, Sect. 119-C, Hancock Co.—one 80 ft. r.c.s.b. and one 50 r.c.g.b., Route 97, Sect. 144-B, Fulton Co.—40 ft. r.c.g.b., 3 culverts, Route 100, Sect. 117-B, Scott Co.—three 40 ft. span r.c.g.b., two 130 ft. and one 100 ft. span rein.-con. substructures with thirteen 40 ft. steel beam approach spans, Sect. 107-B, two 40 ft. span r.c.g.b. Sect. 108-B, and two 40 ft. span r.c.g.b. Sect. 109-B, Route 108, Macoupin Co.—three 60 ft. span arch bridge, Route 113, Sect. 110-N-B, Kankakee Co.—three 20 ft. span r.c.s.b. Route 113, Sect. 111-N-B, Will Co.—two 24 ft. and one 16 ft. span r.c.s.b., two 100 ft. span rein.-con. substructure, two 30 ft. span rein.-con. girders, Sect. 114-B, two 100 ft. span steel superstructure, Route 113, Sect. 114-C, Grundy Co.—one 24 ft. and one 28 ft. span r.c.s.b., Sect. 107-B, three 24 ft. r.c.s.b., Sect. 108-B, one 50 ft. span r.c.g.b. Sect 109-B, one 40 ft span r.c.g.b. and one 24 ft. r.c.s.b. Sect. 110-B, one 16 ft. and one 24 ft. r.c.s.b., one 50 ft., one 60 ft. and two 70 ft. span rein.-con. substructures, Sect. 116-B, one 50 ft. and two 70 ft. span steel superstructure, Sect. 116-C, Routes 115 and 116, Ford Co.—two 160 ft. span rein.-con. substructure, two 40 ft. rein.-con. girder spans, Sect. 118-B, and two 160 ft. span steel superstructure, Sect. 118-C, Route 116, Iroquois Co.—one 40 ft. span r.c.g.b., Sect. 105-B, and four 40 ft. span r.c.g.b. Sect. 106-B, Route 12, Montgomery Co.—one 45 ft. span r.c.g.b., Route 140, Sect. 110-B, White Co.—one 80 ft. rein.-con. substructure, one 40 ft. rein.-con. girder approach span and two 26 ft. r.c.s.b., Sect. 111-B, 80 ft. steel superstructure, Sect. 111-C, 40 ft. r.c.g.b., Sect. 112-B, Route 140, Gallatin Co.—150 ft. creosoted timber superstructure, Sect. 132-B-1, also 4 in. creosoted plank flooring for 150 ft. bridge, Sect. 132-C-2, Route 160, Madison Co. F. T. Sheets, hy. engr.

Ia., Muscatine — Dec. 19, by Auditor Muscatine Co., 110 x 20 ft. high truss bridge, one I-beam and one slab bridge extension, 4 culverts. G. Halbfass, Muscatine, engr.

Kan., Cimarron—Dec. 27, by Clerk Gray Co., three 8 x 30 ft., and four 7 x 30 ft. multiple box span bridges, three 25 x 20 ft. span deck girder bridge, also culverts on 15.957 mi. Project 591-B, Road K-45.

Montana—Dec. 19, by State Hy. Comn., Helena, 1,073 ft. steel bridge over Missouri River in Sect. 28, T. 27 N, R. 48E and 76 ft. treated timber pile trestle over Little Wolf Creek, both on Wolf Point-Circle Rd., Roosevelt and McCone and Roosevelt Counties respectively; graveling, bridging Kalispell-Belton Rd., Flathead Co. and Miles City-Broadus Rd., Powder River Co. R. D. Rader, hy. engr.

* Constr. News page 314

The *Invisible Superintendent* at the Mortar Box

Sees That the Joints Are Neat

THE harmony or contrast you plan in the wall of brick can be obtained only with neat, uniform joints. To produce these, a mortar with smooth, easy working qualities is essential.

When BRIXMENT *is used (one part* BRIXMENT*; three parts sand), the bricklayer gets the plasticity necessary to carry out your directions with the utmost precision.*

In addition, the manufacture of BRIXMENT is controlled to give the mortar a slower, more convenient hardening time than portland-cement mortar, thus enabling the mason to strike his joints with uniform accuracy before the mortar sets. BRIXMENT mortar becomes as hard as the brick itself; its strength increases with age. © *Architect's handbook on request.* Louisville Cement Co., *Incorporated,* Louisville, Ky.

District Sales Offices: 1610 Builders Building, Chicago; 301 Ross Building, Cleveland; 602 Murphy Building, Detroit; 1015 Chestnut St., *Philadelphia.*

BRIXMENT

for Mortar and Stucco

Bridges—(Continued)

Texas — Dec. 18, by G. Gilchrist, state hy. engr., Austin, rein.-con. bridges Dallas Co., $39,600—timber pile bridges Port Arthur Co., $90,000—concrete drainage structures on Hy. 9, Sterling Co., $82,800—rein.-con. structures Hy. 23, Throckmorton Co., $36,000. R. S. Sterling, Austin, chn. com.

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, steel, rein.-con. bridges on Hy. 32, Freestone Co., $72,000, M. B. Hodges, Teague, resident engr. R. S. Sterling, Austin, chn. Hy. Comn. This corrects report in Dec. 6 issue.

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, rein.-con., steel bridges on Hy. 12, Jackson Co., $108,000, D. K. Shepard, Edna, resident engr.; grading, overpass over Texas & New Orleans Ry., on Hy. 31, Henderson Co., $25,000, S. J. Treadaway, Athens, resident engr.

Tex., San Benito—Rio Grande Del Norte Investment Co., c/o L. L. Zenor, taking bids 350 ft. suspension type bridge across Rio Grande River, about 4 mi. south of here. $80,000. Private plans.

Contracts Awarded

Mass., Reading — Town, timber bridge over Boston & Maine R.R., on Mineral St., to A. Bartington, 1 Washington St., Boston. Est. $25,000. Noted Nov. 29.

Alabama — State Bridge Corp., at office State Hy. Dpt., Montgomery, to Vincennes Bridge & Iron Co., Vincennes, Ind., steel truss span bridges in Shelby and Talladega Counties, $102,073, Monroe Co., $335,091; St. Clair and Talladega Counties, $130,521; Wilcox Co., $230,207—to Hardaway Constr. Co., Columbus, Ga., bridges in Madison and Morgan Counties, $429,628; Greene and Hale Counties, $338,095—to J. B. McCrary Eng. Co., Citizens Savings Bank Bldg., Atlanta, Ga., Choctaw and Marengo Counties, $383,188; Clarke and Washington Counties, $322,355 — to Badgette Constr. Co., New Albany, Miss., Cherokee Co., $135,422—to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., Jackson Co., $457,914—to F. Luttjohann, 2053 Kansas St., Topeka, Kan., Greene and Sumter Counties, $177,757—to M. D. Morgan Co., Opelika, Greene and Marengo Counties, $278,133—to Peterson & Earhart, Montgomery, Greene and Sumter Counties, $444,515—to General Constr. Co., 410 Pine St., St. Louis, Mo., Marshall Co., $354,749—to Hampton, Kinnaird & Hampton, Jackson, Miss., Pickens Co., $155,531. Grand total $4,275,179. Noted Oct. 18.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., substructure South Harlem Avenue Bridge to Chicago Foundation Co., 33 South Clark St., $268,860. Noted Nov. 8.

Wisconsin and Minnesota — St. Croix Bridge Co., Grantsburg bridge over St. Croix River connecting Wisconsin Hy. 70 and Minnesota Trunk Hy. 9, to Industrial Contg. Co., 3050 4th Ave. S, Minneapolis, Minn., $100,000. Noted Dec. 6.

Ont., Toronto — Margison & Babcock, engrs., Royal Bank Bldg., general contract 835 ft. concrete and steel deck truss bridge over Don Valley Ravine on Bayview Ave., to Ontario Amiesite Co., Spadina Ave., $125,000, structural steel, to McGregor & McIntyre Ltd., 1139 Shaw St., $62,000, concrete piles, to Raymond Concrete Pile Co., New Birks Bldg., Montreal, Que. Noted Nov. 1.

Que., Quebec—City Council, Scott Bridge, to M. Tnidel & Co., St. Irenee, $53,368. Noted Nov. 22.

Railways

Proposed Work

Texas—Ft. Worth and Denver City Ry. Co., R. C. Gowdy, Denver, Colo., ch. engr., plans constructing 1½ mi. spur between Lockney and Lockney Cotton & Oil Mill plant. $40,000. Private plans.

Airports

Proposed Work

AIRPLANE HANGAR—**Cleveland, O.**—Kalsch & Hoefler, archts., 4500 Euclid Ave., soon lets contract 1 story, 100 x 120 ft. airplane hangar, brick, steel, Airport grounds, for Universal Air Lines, Inc. P. J. Kemp, pres. Noted Nov. 29.

Bids Asked

FLYING FIELD—**Wayne, Mich.**—See "Buildings—Industrial."

Contracts Awarded

AIRPLANE HANGAR—**Cleveland, O.**—U. S. Air Line Corp., J. C. Murray, pres., Terminal Tower, 1 story, 120 x 170 ft., brick, steel airplane hangar, at Cleveland Airport Grounds, to R. S. Ursprung, Berea. Est. $100,000. Noted Nov. 15 under "Unclassified."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., San Antonio—City, c/o C. M. Chambers, mayor, concrete lined flood prevention channel. $500,000. Hawley & Freese, Ft. Worth and O. N. Floyd, Dallas, engrs. Noted Aug. 30.

Bids Asked

N. Y., Long Island City—Dec. 19, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., bulkheads adjacent to abutment, north side Hook Creek Bridge; along existing bulkhead line Jamaica Bay, on Jamaica Bay, Beach 149th St. and Public (Seaside) Park.

N. J., Newark — Dec. 18, by Passaic Valley Sewerage Comn., 24 Branford Pl., dredging in front Commissioners Dock, foot Wilson Ave. $15,000. J. R. Van Duyne, 24 Branford Pl., engr.

O., Troy—Dec. 15, at office E. H. Bagford, engr. Miami Co., constructing Lloyd Williams Co. Ditch 681, in Union Twp.

Ill., Shawneetown—Dec. 21, by Commissioners Union D. D. 2, Asbury and Ridgway Twps., Gallatin Co., enlarging 5.75 mi. main ditch, 2.75 mi. lateral, H. H. Glasscock, Omaha, engr.

Minn., Mankato—Jan. 11, by C. L. Kennedy, aud. Blue Earth Co., County Ditch 75, 21,750 ft. 8- to 20-in. pipe $25,000. A. Kircher, Mankato, co. surv.

Iowa—Dec. 20, by C. Pitchforth, aud. Muscantine Co. (Muscatine), and C. L. McClurkin, aud. Carroll Co. (Carroll), 3,600 ft. diversion Michael Creek into Mississippi River, incl. 117,000 cu.yd. excav., 40,000 cu.yd. excav. in silt basin, 50 cu.yd. rein.-con. in Spillway, also bridge over channel. C. H. Young, ch. engr. Central States Eng. Co., Muscatine, engr.

Contracts Awarded

Mich., Detroit — Dpt. Parks & Blvds., Marquette Bldg., 30,000-50,000 tons man size stone for harbor line improvements, to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., at $2.08 per ton.

Ill., Urbana — Commissioners Salt Fork D. D. Champaign Co., excavating 74,468 cu. yd., to Zimmerman & Stubblefield Constr. Co., Brodhead, Wis. Noted Nov. 22.

Tex., Cotulla—La Salle Co. Impvt. Dist. 1, c/o J. W. Wilson, pres. Bd. Directors, contingent contract irrigation system, incl. complete system canals, pumping units, 1 large dam 9 mi. north of here, and 3 smaller dams, to Trinity Farm Constr. Co., Dallas, $4,500,000. Noted Nov. 15.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., Boston, bituminous macadam paving Main and South Sts., Stoneham to end of Crystal Lake, Wakefield. $550,000. W. F. Williams, comr.

Mass., Malden (br. Boston) — Dpt. P. Wks., Boston, W. F. Williams, comr., bituminous macadam paving Bway. as continuation of Newburyport Turnpike. $162,100. Noted Feb. 9.

N. Y., Brooklyn — J. H. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Dec. 7, withdrew bids to have been opened Dec. 7, curbing, sidewalks on Johnson St., 4th and Atlantic Aves. Will readvertise. Noted Nov. 29.

N. J., Elizabeth — Bd. Pub. Wks., City Hall, preliminary plans curbing, sheet asphalt on 6 in. concrete paving Edison Ave. from Virginia to Carrington Sts. $25,000. T. Collins, city engr.

N. J., Elizabeth — Bd. P. Wks., City Hall, preliminary plans grading, curbing, sheet asphalt on 6 in. concrete paving Sheridan Ave. from Virginia to Carrington Sts. $25,000. T. Collins, city engr.

N. J., Elizabeth—Union Co., penetration macadam paving Union and Mountain Aves., $25,000. J. L. Bauer, co. engr.

N. J., Morristown — Morris Co., gravel or penetration macadam paving Main Rd. and Rockaway Green Pond Rd. $25,000. W. Hopkins, City Hall, co. engr.

N. J., Morristown—Morris Co., gravel or penetration macadam paving Ridgedale Ave. Rd., Hanover. $25,000. W. Hopkins, co. engr.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, rein.-con. paving River Rd. $50,000. R. Glenn, Town Hall, twp. engr.

N. J., Paterson—Bd. Freeholders, Passaic Co., grading, sheet asphalt concrete paving Paterson-Hamburg Turnpike. $50,000. G. Ferguson, Court House, engr.

N. J., Pompton Lakes—Bd. Council, Boro Hall, grading, concrete curbing, walks, drains Lakeside Ave. $25,000. E. N. Mellen, 419 Ramapo Ave., engr.

N. J., Scotch Plains—Twp. Com., Township Hall, grading, 8 in. line mesh rein.-con. paving Jerusalem Rd. from Mountain to Plainfield Aves. $60,000. H. Paff, Forest Rd., twp. engr.

N. J., Somerville—Bd. Freeholders Somerset Co., Court House, preliminary plans penetration macadam paving Whitney, Shultz Store House and Cedar Grove Rds. $33,750. O. Smith, Court House, co. engr.

Maryland — State Roads Comn., Baltimore, rejected bids Oct. 23, concrete paving 0.5 mi. Contr. Ce-72, Cecil Co. J. N. Mackall, chn.

N. C., Chadbourn—Paving certain streets. $28,000.

Louisiana — State Hy. Comn., Reymond Bldg., Baton Rouge, cancelled bids to have been opened Dec. 18, Lake LaFourche Bridge, Morehouse and Richland Parishes; bridge over Boeuf River, at Girard, Richland Parish. Noted Nov. 29 and Nov. 22 under "Girard" respectively.

O., Columbus — Franklin Co., grading, bituminous macadam paving 0.663 mi. Elks Drive, Fairway Drive, Glenburn Avenue, Glenburn Place, Sharon Avenue Rds., 18 ft., Sharon Twp. $28,300. C. C. Lattimer, co. surv.

Iowa—State Hy. Comn., Ames, cancelled bids to have been opened Dec. 11, paving 6.255 mi. U. S. Rd. 65, Warren Co. R. F. White, hy. comr. Noted Dec. 6.

Kan., Leoti—Wichita Co., preliminary plans grading, Bridges 1 and 2 on 18.952 mi. of Rd. K-25, 30 ft. F. Robb, Court House, engr.

Texas—Mason Co. (Mason) and Menard Co. (Menard) grading, bridging, surfacing 40 mi. hy. between Mason and Menard. $700,000. Walton & Arneson, c/o Gunter Bldg., San Antonio, engrs.

Tex., Beaumont — Jefferson Co., preliminary plans beach hy. from Pt. Arthur to Galveston Co. section. $60,000 bond election soon. Address B. B. Johnson, Beaumont, co. judge.

Tex., Burnet—Burnet Co., graveling 12½ mi. Hy. 108. $142,000. State voted $100,000 as its part in financing cost. O. B. Zimmerman, Marble Falls, co. judge.

Tex., San Antonio—Widening Main Ave. from Rodriguez St. to Romana Plaza. $75,000. I. Ewig, city engr.

Tex., San Antonio—City, c/o C. M. Chambers, mayor, rejected bids 1½ in. bitulithic on 10 in. macadam paving 17 streets. $350,000. Will readvertise. Noted Dec. 6.

Calif., San Rafael—Marin Co., asphaltic or hydrated type paving 15 mi. White Hill-point Reyes Hy. $310,000. R. Messner, San Rafael, co. surv.

Ontario — Dpt. Northern Development, Parliament Bldgs., Toronto, J. Sinton, ch. engr. graveling 30,000 cu.yd. road from Searchmount Rd. to Goulais Bay Rd. near Saulte Ste Marie, and roads in Tartentorous and Hornepayne Dists. $40,000.

Ont., London — London Suburban Area Com. bids in March, concrete paving 5 mi. Wellington Rd. $125,000. C. Talbot, County Bldgs., engr. Noted Nov. 22.

Ont., Swansea — Village Council paving, sewers, sidewalks, $109,919.

Ont., Toronto—York Twp., concrete curbing, paving and concrete sidewalks on Dewhurst and McLean Blvds., and 9 avenues. $25,000. F. B. Goedike, 40 Jarve St., engr.

Ont., Toronto—North York Twp., grading and extending Eglinton Ave. $25,000. G. Baker, Yonge St., Willowdale, engr.

Bids Asked

Massachusetts—Dec. 27, by Dpt. P. Wks., Boston, bituminous macadam paving 9,452 ft. hy. in Milford—34,552 ft. Plymouth—

Constr. News page 315

Streets and Roads (Continued)

49,774 ft. Florida, Savoy and Charlemont—23,448 ft. Grafton and Millbury. W. F. Williams, comr.

New York—Dec. 31, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading 0.5 mi. Bronx Parkway extension, from Bedford Road South, in Mount Pleasant; grading, bridging 3.5 mi. Bronx Parkway extension from Buckout's Corners to Mud Hill Rd., in Mount Pleasant and New Castle. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 13.

N. Y., Brooklyn—Dec. 18, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, resurfacing, repaving roadway areas of traffic roads on Eastern and Ocean Parkways, Prospect Park Plaza and Fort Hamilton Parkway; asphalt resurfacing Highland Blvd. between Highland Park Dr. and Bushwick Ave.

N. Y., Brooklyn—Dec. 19, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging Avenue I, Rockaway Parkway, 16th Ave.; grading, sheet asphalt on concrete paving Union and President Sts.

N. Y., Long Island City—Dec. 19, by B. M. Patten, comr. Queens Boro, Queens Subway Bldg., grading, sidewalks on Sutphin Blvd., 35th (Pierce) and Borden Aves., Prince and 165th (Puntine) Sts.—grading, sheet asphalt on concrete paving 22nd and Baltic Sts., 34th (Graham) and 90th Aves. —grading 78th St.

N. Y., New York—Dec. 20, by A. Goldman, comr. Plant & Structures, Municipal Bldg., reconstructing roadway on swing span on 145th Street Bridge over Harlem River.

N. Y., St. George — Dec. 19, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete paving Clifton Incinerator Yard, at Tompkins Ave.—Travis Ave.—bituminous macadam repaving Watchogue Blvd., Jewett, Hillside and Nicholas Aves.

N. J., South Orange—Dec. 14, by Bd. Village Trustees, Village Hall, sheet asphalt, national or warrenite bithulic on telford macadam paving 10 blocks Grove Rd. $25,000. I. T. Redfern, Village Hall, engr.

N. J., Summit—Dec. 18, by Bd. Freeholders Union Co., Elizabeth, grading, curbing, sidewalks, 8 in. rein.-con. paving 30,810 sq.yd. Springfield Ave. $150,000. J. L. Bauer, Court House, Elizabeth, co. engr. Noted Nov. 1.

Pa., Phila.—Dec. 18, by Dpt. P. Wks., Bureau of Hys., A. Murdock, dir., grading; fabricated steel floor beams for Spring Garden Street Bridge.

Md., Baltimore—Dec. 19, by Bd. Awards, City Hall, curbing, sheet asphalt on concrete paving 10,000 sq.yd. Contr. 495. N. L. Smith, City Hall, hys. engr.

Miss., Meridian—Dec. 17, by J. E. May, chn., warrenite bitulithic, sheet asphalt or sand asphalt paving 24,000 sq.yd. Poplar Spring Dr., for Lauderdale Co. J. T. Pinkston, Meridian, co. engr.

Ohio—Dec. 21, by H. J. Kirk, dir. Hys., Columbus, grading, brick, concrete, macadam paving 42.2277 mi. roads in Ashland, Ashtabula, Columbiana, Cuyahoga, Erie, Huron, Lorain, Marion, Medina, Ottawa, Pickaway, Richland, Summit, Trumbull, Wayne and Wood Counties. $3,116,400. Noted Nov. 1.

O., Akron—Dec. 21, by F. E. Swineford, dir. P. Serv., curbing, vitr. brick on 6 in. concrete paving 2,500 sq.yd. Patterson Ave., $16,500—1,600 sq.yd. Thayer St., $13,500—22,000 sq.yd. Castle Blvd. et al. $170,000—6,600 sq.yd. Elma St. and Frances Ave., $55,000—5,300 sq.yd. Chittenden St., $35,800. E. A. Kemmler, Municipal Bldg., engr.

Illinois—Dec. 19, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, vitr. brick, concrete or bituminous concrete with or without binder course paving 1.5 mi. Route 13, Sect. 4, Saline Co.—9.71 mi. Route 59-A, Sect. 119, Lake Co.—1.45 mi. Route 70-A, Sect. 108, La Salle Co.—8.89 mi. Route 80, Sect. 106, Carroll Co.—7.23 mi. Route 89-A, Sect. 103, Putnam and La Salle Counties—5.11 mi. Sect. 104 and 4.59 mi. Sect. 105, Route 90, Marshall Co. —9.54 mi. Route 96, Sect. 119, Hancock Co. —6.32 mi. Sect. 143, and 7.14 mi. Sect. 144, Route 97, Fulton Co.—2.64 mi. Sect. 135 and 2.65 mi. Sect. 137 Route 97-A, Henderson Co.—7.4 mi. Route 100, Sect. 117, Morgan Co.—5.25 mi. Route 108, Sect. 109, Macoupin Co.—5.25 mi. Route 113, Sect. 110-N, Kankakee and Will Counties—7.16 mi. Route 113, Sect. 111-N, Will Co.—6.74 mi. Route 113, Sect. 114, Grundy Co.—4.91 mi. Sect. 107, 4.29 mi. Sect. 108, 5.8 mi. Sect. 109, and 5.02 mi. Sect. 110, Route 115, Ford Co.—6.7 mi. Route 116, Sect. 116, Ford and Iroquois Counties—1.97 mi. Route 116, Sect. 118, Iroquois Co.—4.73 mi. Sect. 105 and 7.08 mi. Sect. 107, Route 127, Montgomery Co.—4.65 mi. Route 131, Sect. 111, Cumberland Co.—4.14 mi. Route 140, Sect. 112, Gallatin Co.—grading 0.48 mi. Route 36, Sect. 12-V-A, Piatt Co.—5.23 mi. Route 83, Sect. 132-A, Stark Co.—9.16 mi. Route 108, Sect. 107-A Macoupin and Greene Counties—2.91 mi. Route 108, Sect. 108-A, Macoupin Co.—1.97 mi. Route 127, Sect. 106-A, Montgomery Co.—5.93 mi. Route 140, Sect. 110-A, White and Gallatin Counties—7.82 mi. Route 140, Sect. 111-A, Gallatin Co.—1.75 mi. Route 89, Sect. 117-A, Bureau Co. F. T. Sheets, hy. engr.

Constr. News page 316

Ill., Chicago—Dec. 19, by West Chicago Park Comrs. Garfield Park, paving, widening Augusta Blvd. between east curb line, North Kedsie and west line Elston Aves. J. D. Robertson, pres.

Ill., Chicago—Dec. 20, by City at office Bd. Local Impvts., City Hall, grading, concrete paving 4 alleys—grading, curbing, guttering, sewers, removing old paving, widening, asphalt on concrete repaving, and asphalt on 8 in. concrete paving North Ashland Ave.—grading, curbing, guttering, sewers, crushed limestone paving Monticello Ave.—grading, curbing, guttering, sewers, removing trees, 8 in. concrete and granite block paving South Racine Ave.—grading, curbing, guttering, sewers, asphalt on 6 in concrete paving Lafayette, Ardmore, North Nagle, Mulligan, Mobile, Merrimac, Melvina, and South Washtenaw Aves., West 98th, Grenshaw, Melrose and Iowa Sts.—grading, curbing, guttering, sewers, asphalt on 8 in. concrete paving West 62nd and East 115th Sts.—grading, curbing, guttering, sewers, 8 in. concrete paving Walden Parkway, North Newcastle and North New England Sts. M. J. Faherty, pres.

Minn., Benson—Dec. 20, by City, S. A. Berg, clk., curbing, guttering, paving 20 blocks. $60,000-$80,000. E. G. Briggs, 438 Bremen Arcade, St. Paul, engr. Noted Nov. 1.

Kan., Howard — Dec. 21, by Clerk Elk Co., grading 1.246 mi. Project 11-7-K.554—0.738 mi. Project 12-30-A-K.729—0.738 mi. Project 11-6-A-730 incl. three 40 ft. span deck girder bridge—0.624 mi. Project 11-6-B-K.731, incl. 90 ft. concrete arch span bridge. C. B. Alexander, co. engr.

Kan., Oberlin—Dec. 20, by G. Nellams, clk. Decatur Co., grading 4.721 mi. Kansas Project 706, U. S. Rd. 36, 30 ft., incl. 27,450 lb. reinforcing—culverts on 6.097 mi. Kansas Project 707-A. T. H. Shannon, Court House, engr.

Montana—See "Bridges."

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, grading, bridging 67.891 mi. hys. in Leon, Throckmorton, Sterling, Dallas, Grayson, Johnson and Parker Counties. $455,400.

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, grading, bridging 5.094 mi. Hy. 19, Henderson Co. $57,600. S. J. Treadaway, Athens, co. engr.

Tex., Dallas — Dec. 31, by Comrs. Court Dallas Co., Road Dist. 1, constructing, improving Old Greenville Rd. from Mocking Bird Lane to Gaston Ave. Rollins & Clinger, Dallas, dist. engrs.

Okla., Seminole — Dec. 18, by P. Noe, city clk., grading, concrete paving 8,100 sq.yd. North Timmons, Walnut and College Sts. $32,461. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Seattle — Comrs. King Co. bids about Jan. 1, concrete paving 1 mi. Des Moines-Zenith Hy. $30,000. D. Evans, Seattle, engr.

California — Dec. 19, by C. H. Purcell, state hy. engr., Sacramento, grading, concrete paving 9.8 mi. road between El Centro and Brawley, Imperial Co.; grading, asphaltic concrete surfacing 3.4 mi. road between Stony and Tecolote Creeks, Santa Barbara Co.

Calif., San Diego—Dec. 24, by Common Council, curbing, 6 in. asphaltic concrete paving 95,735 sq.ft. 36th St. H. W. Jorgensen, city engr.

Calif., San Francisco — Dec. 26, by Bd. P. Wks., grading, retaining walls, temporary paving 3,000 ft. Lagunda Honda Blvd. between Lawton St. and Plaza Ave., 40 ft. $190,000. M. M. O'Shaughnessy, city engr. Noted Oct. 25.

Contracts Awarded

Rhode Island — State Bd. P. Roads, Providence, bituminous macadam paving 7.74 mi. hy. in Scituate, and 2.74 mi. Smithfield, to Lawton Constr. Co., 250 Gallatin St., Providence, $118,832 and $58,147 respectively. Noted Nov. 22.

New York — Bd. Supervs. Westchester Co., Court House, White Plains, grading Bronx River Parkway Connection, at Kensico Dam, as County Rd. 68, and 2 stone faced bridges, at North Castle, to Barford Constr. Co., 178 Martine Ave., White Plains, $207,771. Noted Nov. 1.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, sheet asphalt on concrete paving Tompkins Pl., [illegible]; Neck[illegible] St. $13,125; 123rd St. $10,205—to Carbloc Paving Corp., Varick and Stagg Sts., [illegible] Ave. $33,665; Filmore Ave. $27,896—Brugel Contg. Co., Inc., 427 Weirfield S[illegible] grading 75th St. $6,209—to C. Kurth, 95[illegible] 126th St., Richmond Hill, Sutphin Blvd $8,633; 155th St. $9,430. Grand total $11[illegible] 971. Noted Nov. 29.

Alabama—State Hy. Comn., Montgomery sand clay surfacing 33 mi. hy. in Geneva and Covington Counties, to H. Foster Luverne, $33,139; 12 mi. Dale and Barbour Counties, to E. P. Toulmin, Mobile $11,350. Noted Nov. 1.

Tenn., Bolivar—Hardeman Co., hardsurfacing 47 mi. roads, to Nixon & Phillips Lincoln Life Bldg., Birmingham, Ala. bridges and levees, to Midland Constr. Co. Clarksdale, Miss.; drain pipe, to Tri-State Culvert Co., 491 South 2nd St., Memphis; gravel, to Memphis Stone & Gravel Co. Exch. Bldg., Memphis. Est. $500,000.

O., Garfield Heights (br. Cleveland) — Village, 3 in. brick paving Willard Ave., to Thorpe Constr. Co., Hippodrome Bldg., Cleveland, $32,464; 2.5 in. brick paving Havana Rd. and East 114th St., to Enterprise Paving & Constr. Co., 8444 Bway., Cleveland, $11,688 and $19,534 respectively. Grand total $63,686. Noted Nov. 8.

Michigan—R. A. Beers, resident engr., Kalamazoo, concrete paving 1.955 mi. MC8-18, C-3, Barry Co., 20 ft., to Northern Constr. Co., Benton Harbor, for State Hy. Dpt., Lansing. $61,582. Noted Sept. 27.

Michigan—Ot Office City Clerk, Saginaw, concrete paving 2.748 mi. MO73-6, C-1, 20 ft., Saginaw Co., to T. McNally, Saginew, for State Hy. Dpt., Lansing. $110,527. Noted Sept. 27.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., improving Gruber Ave., to J. C. Bluhm & Son, 1299 Achilles Ave. $24,692—East Wisconsin and Fond du Lac Aves., to Badger Constr. Co., 97 East Wisconsin Ave., $38,426 and $54,367 respectively—Greenfield Ave., to White Constr. Co., 68 East Wisconsin Ave., $56,957. Grand total $174,442.

Ia., Decorah—Winneshiek Co., to Jenner Bros., Davenport, grading 4.25 mi. roads, 34,773 cu.yd. excav. at $0.23, $0.26 and $0.38 per cu.yd., 10,122 cu.yd. loose rock $0.38 and $0.50, 1,440 cu.yd. solid rock $1.30, 11,917 sta.yd. overhaul $0.02, replacing 32 entrance culverts $4 each. Noted Nov. 1.

Ia., Rock Rapids — Lyon Co., to C. W. McNamara, Sioux Falls, S. Dak, grading roads, 124,123 cu.yd. earth excav. at $0.1775 and $0.1725 per cu.yd., 127,820 sta.yd. overhaul $0.02, 1,222 ft. culvert labor at $0.20, $0.25 and $0.30, clearing and grubbing $875.

Tex., Crystal City—See "Unclassified."

Tex., Houston — Asphalt paving 8,700 sq.yd. Almeda Rd., to S. Shambaugh, 1401 Dowling St., $28,589. Est. $30,000.

Tex., Houston—Rock asphalt paving 25,000 sq.yd. Airline Dr., to Uvalde Rock Asphalt Co., 820 Dowling St. $74,579. Est. $100,000. Noted Nov. 22.

Tex., Pharr — Hidalgo Co., concrete paving 30 mi. Rd. Impvt. Dist. 8, to W. L. Pearson & Co., Nixon Bldg., Corpus Christi, $854,152. Est. $900,000. Noted Aug. 2.

Public Bond Elections

Coming Bond Elections

Waterworks — Hebron, Neb., Dec. 17, $30,000.
Sewers—DeKalb, Ill., Dec. 17, $60,000.
Drainage—Dos Palos, Calif., $97,500.
Roads—Napoleon, O., Dec. 14, $438,000.
Roads—Floydada, Tex., Floyd Co., Dec. 18, $400,000.
Roads—Wellington, Tex., Collingsworth Co., Dec. 15, $400,000.
Roads — Quebec, Que., election soon, $2,217,343
School—Revere, Mass., $150,000.
School—St. Cloud, Minn., $275,000.

Bonds Voted

Waterworks—Cushing, Okla., $24,000.
Waterworks—Davison, Okla., $23,000.
Sewers—Owensboro, Ky., $1,200,000.
Sewers—Davidson, Ky., $25,000.
Sewers—Muskegee, Okla., $100,000.
Airport—Muskegee, Okla., $195,000.
Roads — Galveston, Tex., Galveston Co., $700,000.
Roads—Robert Lee, Tex., Coke Co., $100,000.
Roads—Camden, Ark., $98,000.

Bonds Defeated

Sewers—Tuttle, Okla., $33,000.
Airport—McAlester, Okla., $50,000.
Roads—Henrietta, Tex., Clay Co., $33,000.
Roads — Lubbock, Tex., Lubbock Co., $2,000,000.

Buildings—Industrial

Proposed Work

Mass., Lawrence — PLANT — Eagle Tribune, 291 Essex St., reconstructing plant, Essex St., recently damaged by fire. $400,000-$500,000. Engineer and architect not selected.

R. I., Pawtucket—ICE PLANT—Pawtucket Ice Co., H. L. Russell, 126 Main St., sketches by Monahan & Meikle, 255 Main St., artificial ice plant. $40,000-$50,000.

Conn., Bridgeport — FACTORY — Crane Co., J. H. Collier, mgr., 1 story, 125 x 500 ft. plant. To exceed $150,000. Private plans.

Conn., Bridgeport—PLANT—Bridgeport Brass Co., c/o W. R. Webster, East Main St., brass rolling mill unit. To exceed $40,000. Engineer and architect not selected.

N. Y., Brooklyn—FACTORY—National Lead Co., E. J. Cornish, pres., 111 Bway., New York, soon lets contract 1 story, 122 x 172 ft., brick, Marshall and Gold Sts. $225,000. W. Higginson, 101 Park Ave., New York, archt. Noted Nov. 1.

N. Y., Brooklyn—FACTORY and STORAGE — B. Kugler, 1953 Ocean Parkway, plans by E. M. Ahdelsohn, 26 Court St., 1 story, 104 x 150 ft., brick, Havermeyer Ave. and 1st St. $40,000.

N. Y., Brooklyn — FACTORY — Eleanor Realty Corp., J. Rubin, pres., plans by G. Erda, 826 Manhattan Ave., 85 x 100 ft. addition, Banker St. and Meserole Ave. $45,000.

N. Y., Brooklyn—SERVICE GARAGE—Braunweiss Realty Corp., 435 Beach 36th St., Edgemere, plans by H. J. Nurick, 44 Court St., 120 x 164 ft., brick, East 98th St. and Kings Highway. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—S. Bier, 980 49th St., plans by C. Goodman, 375 Fulton St., 1 story, 100 x 200 ft., brick, concrete, plain found., Fulton St. and Hopkinson Ave. $50,000.

N. Y., Brooklyn—SERVICE GARAGE—Para Realty Corp., L. Raichelson, pres., plans by H. J. Nurick, 44 Court St., 1 story, 100 x 100 ft., brick, Glenmore Ave. and Barbey St. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—Polblum Corp., I. Polwnick, pres., 26 Court St., plans by E. M. Adelsohn, 26 Court St., 1 story, 90 x 107 ft., brick, concrete, Dean St. and Troy Ave.

N. Y., Brooklyn—SHOP and GARAGE—A. D. Denis, 551 Sea Beach Rd., plans by A. Goldberg, 164 Montague St., 2 story, basement shop and garage, 551 Sea Beach Rd. $40,000.

N. Y., Brooklyn—SHOP and SERVICE—S. G. Tilden, Inc., 3036 Northern Blvd., Long Island City, plans by A. Goldberg, 164 Montague St., altering shop and service building, 1026 Atlantic Ave. $40,000.

N. Y., Massena—PLANT—Aluminum Co. of America, Cliver Bldg., Pittsburgh, Pa., soon takes bids plant. $1,000,000. Private plans.

N. Y., New York—MANUFACTURING LOFTS—Varick Holding Corp., S. Rosenblatt, pres., 565 5th Ave., plans by C. Whinston, 2 Columbus Circle, 16 story, 75 x 201 ft., brick, steel, 172 Varick St. $675,000.

N. Y., New York—PRINTING PLANT—Hayar Realty Co., 61 Bway., plans by C. S. Birge, 29 West 34th St., 2 story printing shop, 318 East 39th St. $50,000.

N. Y., New York—SERVICE GARAGE—A. Duffy, 239 East 239th St., plans by J. P. Boyland, 305 East Kingsbridge Rd., 2 story, 100 x 178 ft., brick, concrete, White Plains Ave. and Astor Pl. $40,000.

N. Y., New York—SERVICE STATION—Efkay Holding Corp., L. Joseph, pres., 1431 Bway., plans by Glick & Duma, 400 East Fordham Rd., 1 story, 36 x 41 ft., brick, concrete, Westchester and Wilkinson Aves. $50,000.

N. Y., New York—SERVICE GARAGE—Golram Realty Co., E. Moran, pres., 135 Bway., plans by W. F. Doyle, 11 John St., 94 x 175 ft., brick, concrete, 184th St. and Granite Pl. $50,000.

N. Y., New York—SERVICE GARAGE—Goodname Realty Corp., J. D. Goodman, pres., 67 West 125th St., plans by H. Blumberg, 25 West 43rd St., 100 x 164 ft., brick, concrete, Sedgewick Ave. and 189th St. $75,000.

N. Y., New York—SERVICE GARAGE—M. Sender, 1830 Vineyard Pl., plans by H. M. Sushan, 367 Fulton St., Brooklyn, 3 story, 65 x 115 ft., brick, concrete, 176th St. and Vineyard Pl. $40,000.

N. Y., Yonkers—SERVICE GARAGE—P. Wattenberg, 391 East 149th St., New York, plans by W. P. Katz, 45 South Bway., service garage, Riverdale Rd. To exceed $40,000.

N. J., Fairview — BAKERY — Dugan Bros. Inc., 161 Abington Ave., Newark, 2 story, 125 x 153 ft. brick, steel, plain found., bakery plant 6th St. between Kamena & Murray Sts. $100,000. Private plans.

N. J., Haskell—FACTORY—Transogram Co., Inc., Haskell and 215 4th Ave., New York, rejected bids 1 story, 90 x 400 ft., brick, steel, rein.-con., plain found. $100,000. M. Thompson, 191 Joralemon St., Brooklyn, N. Y., engr. and archt. Project in abeyance.

N. J., Jersey City — PASTUERIZING PLANT — Peek Products Co., Monmouth St., revised plans by C. H. Ziegler, 75 Montgomery St., 2 story, basement, 80 x 180 ft., brick, steel, plain found., Monmouth St. $100,000. Noted July 5.

N. J., Paterson—SERVICE STATION—Letz & Katz, 617 Broadway, plans by J. Holt, 132 Market St., 1 story, 100 x 400 ft., brick, steel, plain found., 35th and Market Sts. Coleman & Haloren, (Dodge Agency) c/o owner, lessee. Engineer and Architect not selected.

Md., Cumberland — PLANT and TURBINE HOUSE—See "Bids Asked."

Va., Hopewell — PLANT — Atmospheric Nitrogen Co., Solvay, Syracuse, N. Y., and subsidiary Allied Chemical & Dye Corp., 61 Bway., New York, expending $35,000,000 (2nd unit) nitrogen plant.

N. C., Greensboro—HOSIERY and TEXTILE PLANT — Mock, Judson, Voehringer Co., Inc., J. K. Voehringer, Jr., pres., Greensboro, 40,000 sq.ft. addition to plant near Spring Garden. $1,000,000 incl. equipment.

Ala., Birmingham — MANUFACTURING PLANT—Lamson & Sessions Bolt Co., 2188 Scranton Rd., Cleveland, O., purchased 8½ acre site in North Birmingham and plans plant to manufacture bolts, nuts, rivets and cotter pins. $500,000-$700,000.

O., Cleveland — STAMPING PLANT — Murray Ohio Mfg. Co., C. W. Hannon, pres., 1115 East 152nd St., plans by G. S. Rider Co., Century Bldg., 2 story, basement, 64 x 239 ft., brick, addition, East 152nd St. $150,000.

O., Cleveland—SHOP—The Gluntz Brass Foundry Co., D. J. Gluntz, pres., 3001 East 55th St., plans by J. H. O'Grady, 2251 Goodnor Rd., 1 story, brick, steel, machine shop Miles Ave., near East 108th St. $40,000.

O., Elyria — PLANT — Cleveland Automatic Machine Co., 2269 East 65th St., Cleveland, plant addition. $250,000. Private plans.

Ind., Michigan City — GENERATING STATION—Northern Indiana P. Serv. Co., 649 Hohman St., plans by Holabird & Root, 333 North Michigan Ave., Chicago, Ill., several units electric generating station, Lake Front. To exceed $1,000,000. Sargent & Lundy, 72 West Adams St., Chicago, Ill., engrs.

Mich., Detroit—PRODUCE TERMINAL—Detroit Union Produce Terminal Co., F. Isbey, chn., 142 12th St., 1 and 2 story, rein.-con., brick, steel, plain found., incl. concrete loading docks, yards, tracks, Fort St. and Green Ave. $5,000,000.

Mont., Butte — SERVICE GARAGE — Butte Motor Truck Co., 120 South Montana St., 1 story service garage. $50,000.

Mo., St. Louis—FACTORY—Condron & Post, archts., 53 West Jackson Blvd., Chicago, Ill., soon take bids 1 story, 120 x 380 ft., steel, brick transformer building; 5 story, 80 x 120 ft., rein.-con., brick office and manufacturing building, incl. 3 crane runways, using 30-ton, 5-ton and 2-ton traveling cranes, for Wagner Electric Corp., 6400 Plymouth St. Noted Nov. 1.

Texas — CANNING PLANTS — Riona Sales Co. A. M. Russ, vice pres., Milam Bldg., San Antonio, plan 6 canning plants along Rio Grande Border $100,000 each (incl. machinery). Private plans.

Tex., Beaumont — SHOPS, etc. — Kansas City Southern Ry. Co., A. N. Reece, ch. engr., Kansas City, Mo., lets contract after Jan. 1, shop facilities, switching yard, warehouse, etc. $1,000,000. Private plans. Some of work to be done by own forces. Noted Oct. 11.

Tex., Los Fresnos — CANNING FACTORY—Los Fresnos Packing Co., c/o A. H. Fernandez, Brownsville, soon lets contract 1 story, brick, rein.-con. canning factory. Private plans.

Tex., Odessa — POTASH REFINERY PLANT, etc.—American Potash Co., Dallas, and Odessa, c/o Chamber of Commerce, 2,000 raw product daily capacity plant near here; mining project, incl. 18 ft. shaft, concrete lined to depth of 2,000 ft., at bottom of shaft laterals will be run to various stratas of potash; complete mining equipment and machinery, all in Ector Co. near here. Private plans.

Bids Asked

Me., Biddeford—SERVICE and REPAIR GARAGE—W. F. Mahoney, 62 Alfred St., taking bids 1 story, 60 x 150 ft., brick, steel, plain found., Elm and River Sts. $60,000. A. R. Farington, 178 Dartmouth St., Portland, archt.

Mass., East Walpole—PLANT—Bird & Son Inc., Washington St., taking bids altering and constructing 1 story, structural steel, brick, addition, plain found., Washington St. $40,000. Private plans.

Mass., Medford—SERVICE and REPAIR GARAGE—See "Contracts Awarded."

Mass., Worcester—REPAIR and SERVICE GARAGE, FILLING STATION—D. F. Daley, 521 Pleasant St., taking bids 1 story, 100 x 100 ft., concrete, steel, plain found., 24 Madison Ave. $40,000 or more. G. C. Halcott, 32 Franklin St., archt. Noted Dec. 6.

Conn., New Haven — PLANT — R. W. Foote, archt., 185 Church St., taking bids 2 story, basement, 100 x 300 ft. office, and 1 story, basement, 140 x 260 ft. printing plant, brick, steel, rein.-con., plain founds., Milford Turnpike, for W. H. Lee Co., 246 Meadow St. $350,000.

N. Y., Yonkers—SERVICE GARAGE—See "Contracts Awarded."

N. J., Elizabeth—FACTORY—Owner, c/o J. Anderson, archt., 251 North Broad St., bids about Jan. 15, 2 story, basement, 60 x 150 ft., brick, steel, plain found., Loomis St. and 3rd Ave. $40,000. Noted Nov. 15.

N. J., Washington — PORCELAIN PLANT — Washington Porcelain Co. taking bids 2 story, 35 x 132 ft., brick, rein.-con. plant. $50,000. Mylchreest & Reynolds, 238 Palm St., Hartford, Conn., engrs. and archts.

Pa., Ambridge—PLANT—Spang Chalfont Co., taking bids 1 story, 240 x 800 ft., brick, steel addition. $250,000. Private plans.

Md., Baltimore — POWER HOUSE — Maginnis & Walsh, archts., Statler Bldg., Boston, Mass., taking bids brick power house, plain found., for St. Mary's College. $40,000 or more.

Md., Cumberland—LABORATORY—Dec 17, by Celenese Corp. of America, 2 story, basement, 88 x 145 ft., rein.-con., brick, plain found. F. T. Small, c/o owner, engr.

La., Baton Rouge—CREAMERY.—Dec. 20, by Wogan & Bernard, archts., Canal Bank Bldg., New Orleans, 2 story, brick creamery, for Louisiana State University. $40,000. Noted Oct. 4.

O., Apple Creek—POWER HOUSE—Dec. 27, by J. E. Harper, dir. Dpt. Welfare, 9th and Oak Sts., Columbus, 79 x 109 ft., steel power house, $57,900; 2,800 ft. 6 x 6 ft. rein.-con. tunnel for carrying steam and water pipes, $115,000; equipment for power house, $30,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt. Noted July 5.

Mich., Wayne—FACTORY—F. J. Winter, archt., 2112 Book Tower Bldg., Detroit, taking bids and open same about Dec. 18, 1 and 2 story, 200 x 400 ft., concrete, brick, steel, plain found., incl. flying field, for Stinson Aircraft Corp., Northville, $250,000.

Tex., San Antonio — GARMENT FACTORY—Basila Frock Co., 503 West Commerce St., and W. E. Simpson & Co., Natl. Bank of Commerce Bldg., bids about Dec. 24, 2 story, 70 x 140 ft., brick, rein.-con., plain found., Zarzamora St. near Lakeview St. $75,000 incl. equipment. Phelps & DeWees, 718 Gunter Bldg., archts. Noted Nov. 22.

Calif., Wilmington — WAREHOUSE — A. C. Martin, archt., Higgins Bldg., Los Angeles, taking bids 1 story, 50 x 800 ft., with 100 x 100 ft. extension (steel rolling doors), for Pacific Coast Borax Co., Wilmington. $100,000.

Ont., Toronto—PLANT—See "Contracts Awarded."

Contracts Awarded

N. H., Manchester—SERVICE and REPAIR GARAGE—Perreault & Labonte, Elm St., 2 story, concrete and steel, plain found., Elm St. $40,000 or more. Separate contracts. C. R. Whitcher, 814 Elm St., archt. Noted Nov. 15.

Mass., Brockton—ICE MANUFACTURING PLANT—Brockton Ice & Coal Co., 426 Main St., 1 story, 80 x 150 ft., brick, concrete found., Lawrence St. $75,000. Owner builds by separate contracts. Former contract rescinded. Noted May 24.

Mass., Brockton — SUB-POWER STATICN—Brockton Edison Electric Co., A. F. Nelson, mgr., Main St., 1 story, rein.-con., plain found., to Powers Bros., 161 Montello St. Est. $75,000. Noted Feb. 16.

Mass., Franklin—MIXER and PICKER PLANT—H. T. Hayward Co., Union St., 1 story, 55 x 140 ft., brick, steel addition.

Constr. News page 317

Buildings—Industrial (Continued)

plain found., to O. D. Purington Co., Industrial Trust Bldg., Providence, R. I. Noted Nov. 22.

Mass., Lowell — PLANT — Merrimack Mfg. Co., Dutton St., 1 story, brick weave shed addition plain found., to R. E. Runels Constr. Co., 45 Merrimack St. $50,000. Noted Dec. 6.

Mass., Lynn—SERVICE and REPAIR GARAGE—Gallant Motor Co., 319 Essex St., 1 story, 45 x 105 ft., rein.-con., plain found., to Valeri Constr. Co., 17 Shawnee Rd., Arlington. $50,000. Noted Nov. 1.

Mass., Medford—SERVICE and REPAIR GARAGE and SALES—Noyes-Buick Sales Co., 857 Commonwealth Ave., Boston, 1 story, 12,000 sq.ft. floor space, brick, steel, concrete, plain found., Swain St. Separate contracts. $50,000. Private plans.

Mass., Quincy (Ind. br. Boston) — POWER SUB-STATION — Quincy Electric Light & Power Co., brick, steel, concrete power sub-station, Town River Bay, to N. E. Power & Constr. Co., 89 Broad St., Boston. Est. exceeds $40,000.

Mass., Sheffield—SERVICE and REPAIR —Town, c/o D. N. Smith, chn. building com., rein.-con., steel public service and repair garage, plain found., Main St., to Graves & Hemmes, 105 Main St., Great Barrington. Est. $50,000.

R. I., Providence—JEWELRY FACTORY —Uncas Mfg. Co., 85 Sprague St., altering and constructing 2 story, brick addition, plain found., to Bowerman Bros., 70 Bath St. $40,000 or more. Former contract rescinded. Noted Nov. 15.

Conn., Hartford — BROADCASTING STATION — Travelers Insurance Co., W.T.I.C., Grove St., 2 story, basement, 50 x 75 ft., brick, steel, rein.-con., 50,000 watt station, to Marc Eidlitz & Son, 41 East 42nd St., New York. Est. exceed $150,000. Noted Dec. 6.

Conn., Stamford—SERVICE GARAGE—Reeman Chevrolet Co., Inc., Mill River St., altering and constructing 2 story, 50 x 100 ft., brick, steel, rein.-con., plain found., to Genovese & Rich, Washington Bldg. Est. $50,000. Noted Oct. 18.

Conn., Stratford — FACTORY—Sikorsky Aircraft Corp., Garden City, L. I., H. O. King, Bridgeport, brick, steel airplane factory, to W. J. Shaughnessy, Jr., Inc., 119 Fairfield Ave., Bridgeport. Est. $100,000.

N. Y., East Buffalo (Buffalo P. O.)—REPAIR SHOP, etc.—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, 2 story, 97 x 267 ft. coach repair shop, concrete platform, storeroom and trackwork, at East Buffalo Yards, to F. T. Hanssel, Ellicott Sq., Buffalo. Est. $250,000. Noted Oct. 25.

N. Y., Yonkers—SERVICE GARAGE—Fanley Realty Corp., 2508 Bathgate Ave., New York, service garage, separate contracts. $50,000. W. P. Katz, 45 South Bway., archt.

D. C., Wash.—POWER HOUSE—District Comrs., District Bldg., remodeling power plant at Gallinger Hospital, to D. W. Chapman Heating & Plumbing Co., Walter Reed Hospital, $45,970. Noted Nov. 15.

Va., West Point — PAPER PLANT — Albemarle-Chesapeake Co., H. W. Ellerson, pres., 1216 Confederate Ave., Richmond, paper pulp manufacturing plant, to J. T. Wilson Co., Inc., Mutual Bldg., Richmond. Est. $175,000.

O., Akron—ICE PLANT—Burkhardt Consolidated Co., 1 story, 144 x 166 ft., brick, steel, to Higley Constr. Co., 714 North Main St. Est. $200,000.

O., Cleveland — FACTORY — Cleveland Knife & Forge Co., 1960 West 114th St., 1 story, 28 x 126 ft., brick, steel addition, 1960 West 114th St., to R. Black, 2222 Coventry Rd., Cleveland Heights. Est. $40,000.

O., Cleveland—FACTORY—Jordon Motor Co., E. S. Jordon, pres., 1070 East 152nd St., 1 story, 40 x 100 ft., brick, steel, 1070 East 152nd St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $40,000.

O., Cleveland—SHOP—J. Dluzynski, 6886 Bway., 1 story, 70 x 90 ft., brick, steel, to Wanda Constr. Co., 6964 Bway. Est. $40,000.

O., Toledo—BAKERY—F. C. Hoehler, Service Bldg., 2 and 3 story, basement, 143 x 143 ft., rein.-con., brick, plain found., Wolcott Blvd., to J. H. Berkebile, Whittier St. Est. exceeds $200,000.

Ventilation, etc.

O., Toledo—SPEED BOAT FACTORY—Dart Boat Co., Toledo or Lima, 1 story, part basement, 60 x 300 ft., brick, steel, plain found., Summit St., to Manmann Co., 912 Summit St. $50,000.

Mich., Detroit — CARBURETOR FACTORY — Zenith Detroit Corp., Hart Ave., 2 story, basement, 62 x 118 ft., rein.-con., brick, steel, plain found., to F. N. Cooper, 6370 Gratiot Ave. Est. $50,000. Noted Dec. 6.

Mich., Detroit—PIPE SHOP and WAREHOUSE—Crane Co., 150 Randolph St., Detroit, and 836 South Michigan Bldg., Chicago, Ill., 1 story, 100 x 140 ft., rein.-con., brick, steel, plain found., Livernois Ave., to W. S. Pocock Co., 1726 Seward Ave. Est. $50,000.

Mich., Detroit—PIPE SHOP and WAREHOUSE—Crane Co., 150 Randolph St., Detroit, and 836 South Michigan Blvd., Chicago, Ill., 1 story, 50 x 230 ft., brick, steel, plain found., St. Jean Ave., to Cooper-Little Co., 844 Macabees Bldg. Est. $50,000.

Mich., Detroit — FACTORY — Federal Mongul Corp., 11031 Shoemaker Ave., 1 story, 120 x 180 ft., brick, steel, plain found., to Austin Co., Genl. Motors Bldg. Est. $53,000. Noted Nov. 8.

Ill., Chicago — FACTORY — Puckey & Jenkins, archts., 400 North Michigan Ave., 2505-23 North Karlov Ave., masonry and carpentry contract 1 story, brick addition, to J. Haigh & Son, 140 South Dearborn St., for Illinois Tool Wks., 2501 Keeler Ave. Est. $40,000.

Ill., Chicago—FACTORY—Pyrolin Products, Inc., 1800 West 74th Pl., 2 story, basement, 40 x 115 ft., to Poriot Constr. Co., 38 South Dearborn St. Noted Nov. 8.

Ill., Mt. Vernon—FACTORY—J. P. Devine Mfg. Co., 1732 Clinton St., Buffalo, N. Y., brick, steel, day labor. $600,000. Private plans. Noted Nov. 22.

Ill., Rock Island—PLANT—International Harvester Co., 606 South Michigan Ave., Chicago, W. D. Price, supt. construction, general contract 1 or 2 story, brick, steel, addition, to Priester Constr. Co., Kahn Bldg., Davenport, Ia., Est. $800,000.

Mont., Whitefish — ROUNDHOUSE — Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., roundhouse addition and lengthen turntable. $75,000. Owner builds.

Ark., Little Rock — COLD STORAGE PLANT—Arkansas Cold Storage Co., C. E. Rose, pres. and genl. mgr., 6 story, rein.-con., brick top addition incl. 40 tons ice making machinery to Dickerson & Veasey, Little Rock. Est. $200,000. Noted Dec. 6.

Ont., Hamilton — BAKERY — Hamilton Bakeries, Ltd., 24 Sanford Ave. N., general contract 2 story, basement, 71 x 152 ft., concrete, brick, steel addition, to C. W. McKim, 63 Carrick Ave.; structural steel, to Hamilton Bridge Wks. Co., Bay St. N. Est. $100,000.

Ont., Toronto — PAPERBOARD PLANT — Hinde & Dauche Paper Co., 45 Hanna St., general contract 4 story, basement, 150 x 400 ft. addition, to H. N. Dancy & Son, Ltd., 22 College St.; excavation, to Lioni & Co., 1411 Dufferin St.; concrete, to Castle Constr. Co., 507 Dupont St.; carpentry, to J. D. Young & Apperley, 428 Ossington Ave.; plumbing, to Bennett & Wright, 72 Queen St. E.; steel sash, to Canadian Metal Window & Steel Products Co., 160 River St. Est. $300,000. Noted Aug. 30.

Ont., Toronto—PLANT—Riley Eng. & Supply Co., 360 Dufferin St., excavation for 1 story, basement, 32 x 65 ft., and 1 story, 92 x 175 ft., concrete, brick, steel, to T. Shenton, 391 Keele St.; balance of work, day labor. Est. $100,000. Noted Dec. 6.

Constr. News page 318

Buildings—Commercial

Proposed Work

N. H., Manchester—THEATRE—Strand Theatre, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, Mass., altering 1 story, basement, brick, steel, plain found., Hanover St. $150,000.

Mass., Boston—STORE and OFFICE—F. W. Woolworth Co., Park Sq., soon takes bids 4 story, basement, brick, steel, plain found., 488-94 Washington St. To exceed $150,000. Densmore, LeClear & Robbins, Park Sq. Bldg., archts.

Mass., Boston—THEATRE—Fox Films, 850 10th Ave., New York, theatre. $5,000,000. Engineer and architect not selected.

Mass., Fall River — DEEDS — Bristol County Court, County Comm. Rock St., registry of deeds building. To exceed $150,000. Engineer and architect not selected.

Mass., New Bedford—COURTHOUSE—Comrs. Bristol Co., J. I. Bryant, Court House, Taunton, altering and constructing addition to courthouse, 6th St. $150,000 or more. Engineer and architect not selected.

Mass., Springfield — THEATRE — Winchester Square Assn., Inc., c/o L. J. Thompson, archt., 521 Corbin Ave., New Britain, brick theatre, State St. $150,000.

R. I., Providence—STORES, APARTMENT and GARAGES—M. J. Kechijan, c/o H. B. Summer, archt., 352 Adelaide Ave., 1, 2 and 3 story, basement, irregular size, brick, concrete, plain founds. $150,000.

N. Y., Brooklyn—APARTMENT—Asen Lecenson Realty Corp., 574 Bway., plans by Malkind & Weinstein, 93 Court St., 4 story, 83 x 89 ft., brick, timber, Fulton St. and Vermont St. $200,000.

N. Y., Brooklyn—APARTMENT—Corporation, c/o L. H. Pink, 66 Court St., plans by A. J. Thomas, 2 West 46th St., New York, 5 story, brick, timber, 4th Ave., 23rd and 24th Sts. $400,000.

N. Y., Brooklyn — APARTMENT — Corporation, c/o T. Exarhakis, 5005 Beverly Rd., plans by Cohn Bros., 361 Stone Ave., 6 story, 97 x 200 ft., brick, timber, Rockaway Parkway and Church Ave. $485,000.

N. Y., Brooklyn — APARTMENT — I. Halperin, 26 Court St., plans by Cohn Bros., 361 Stone Ave., 4 story, 100 x 172 ft., brick, timber, East 52nd and Winthrop Sts. $200,000.

N. Y., Brooklyn—APARTMENT—Herzel Street Co., Inc., A. Shrieber, pres., plans by Seelig & Finkelstein, 66 Story St., 4 story, 88 x 162 ft., brick, timber, Herzel St. and Lott Ave. $250,000.

N. Y., Brooklyn—APARTMENT—T. H. Jones, 354 87th St., plans by H. G. Harrington, 311 100th St., 6 story, 96 x 100 ft., brick, timber, 91st St. W. and 4th Ave. $155,000.

N. Y., Brooklyn — APARTMENT — J. Levine, 32 Court St., plans by Prober & Blaufeux, 66 Court St., 6 story, 142 x 170 ft., brick, timber, Ovington Ave. and East 3rd St. $400,000.

N. Y., Brooklyn—APARTMENT—Murray Allen Realty Corp., R. Danzilo, pres., 50 Court St., plans by S. L. Malkind, 93 Court St., 6 story, 87 x 112 ft., brick, timber, West 7th St. and Avenue O. $232,000.

N. Y., New York—APARTMENT—Piro Realty Corp., G. Pizzaro, pres., 791 Allerton Ave., 6 story apartment, Cruger and Burke Aves. $180,000. Franklin, Bates & Heindsman, 2526 Webster Ave., archts. Noted Nov. 29.

N. Y., Brooklyn—APARTMENT—Rubin Rockoff, 945 East 10th St., plans by Seelig & Finkelstein, 66 Court St., 110 x 150 ft., brick, timber, Ocean Ave. and Avenue Y. $400,000.

N. Y., Brooklyn — APARTMENT — L. Schloss, 29 East 7th St., plans by E. M. Ahdelsohn, 26 Court St., 6 story, 105 x 200 ft., brick, timber, Dahill Rd. and Tehama St. $500,000.

N. Y., Brooklyn—APARTMENT—Euroc Realty Corp., B. Corn, pres., 1986 Bway., plans by Prober & Blaupux, 66 Court St., 100 x 140 ft., brick, timber, 85th St. and 19th Ave. $300,000.

N. Y., Brooklyn — DEPARTMENT STORE—A. I. Namm & Son plans by Kohn & Butler, 56 West 45th St., New York, altering 9 story, brick, steel, Fulton and Hoyt Sts. $150,000. Noted July 5.

N. Y., Brooklyn — LABORATORIES — United Israel Zion Hospital, 4810 10th Ave., plans by B. W. Dorfman, 66 Court St., 2 story, 71 x 100 ft., brick, 48th St. and 10th Ave. $200,000.

N. Y., Brooklyn — STORE and APARTMENT — D. Drossmin, 136 Vermont St., plans by J. J. Millman, 26 Court St., 4 story, 90 x 100 ft., brick, timber, Clarkson Ave. and East 91st St. $150,000.

N. Y., East Norwich—CLUB HOUSE—C. F. McCann, lets contract in January, club house, tennis courts, Oyster Bay and Syosett Rd. $150,000. O'Connor, Delaney & Schultz, 162 East 37th St., New York, archts.

N. Y., Great Neck—EXCHANGE—Voorhees, Gmelin & Walker, archts., 101 Park Ave., New York, bids in January general contract, Sherward Dr., for New York Telephone Co., 140 West St., New York. To exceed $150,000.

N. Y., New York — APARTMENT — V. Astor, 23 West 26th St., 102 x 148 ft. apartment, 120 East End Ave. $1,500,000. Engineer and architect not selected.

N. Y., New York—APARTMENT—Corporation, c/o J. J. Lavender, 833 Courtland St., plans by Franklin Bates & Heindsmann, 2526 Webster Ave., 6 story, 86 x 166 ft., brick, timber, Stratford Ave. and 172nd St. $300,000.

N. Y., New York—APARTMENT—Beaux Arts Development Corp., K. M. Murchion, pres., 31 East 40th St., plans by Godley & Fonilhoux, 101 Park Ave., 16 story, 87 x 175 ft., brick, steel, 308 East 44th St. $1,000,000..

N. Y., New York—APARTMENT—A. Brisbane, 515 Madison Ave., plans by Schultz & Weaver, 18 East 48th St., 15 story, 90 x 100 ft., brick, steel, 1 East 102nd St. $900,000.

N. Y., New York—APARTMENT—Corporation, c/o M. Resnich, 1205 Southern Blvd., plans by C. Kreymborg & Son, 2534

Buildings—Commercial (Continued)

Marion Ave., 6 story, 103 x 109 ft., brick, timber, Gerard Ave. and 164th St. $200,000.

N. Y., New York—APARTMENT—Four Hundred Fifty-One West 57th Street Corp., J. A. Meller, pres., 51 East 42nd St., plans by J. A. Meller, 51 East 42nd St., 15 story, 100 x 100 ft., brick, steel, 451 West 57th St. $600,000.

N. Y., New York—APARTMENT—V. Green Co., Inc., A. I. Levy, vice pres., 43 West 34th St., plans by W. C. Sommerfeld, 31 Union Sq., brick, steel, 1-3 Bleeker St. $500,000.

N. Y., New York—APARTMENT—Krumholz Bros., Inc., 349 East 149th St., plans by Gromemberg & Leuchtag, 1385 Bway., 4 story, 75 x 84 ft., brick, timber, Colonial Ave. and Westchester St. $150,000.

N. Y., New York—APARTMENT—Merriam Building Corp., H. S. Sherman, 1910 Arthur Ave., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 89 x 150 ft., brick, timber, 170 St. Merriam Ave. $250,000.

N. Y., New York—APARTMENT—P. Silverman, 1316 Webster Ave., plans by T. F. Price, 243 West 231st St., 5 story, 86 x 100 ft., brick, timber, Olmstead Starting Ave. $175,000.

N. Y., New York—APARTMENT—Tangredi La Guardia, 3038 Bronxwood Ave., plans by J. Ziccardi, 912 Burke Ave., 6 story, 89 x 100 ft., brick, timber, Holland and Burke Aves. $160,000.

N. Y., New York—APARTMENT—Tiffany Arms Realty Corp., S. Neiman, pres., 349 East 149th St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 118 x 205 ft., brick, timber, Sheridan Ave. and 164th St. $600,000.

N. Y., New York—APARTMENT—Waitt Hainee Corp., 2 West 45th St., plans by Schwartz & Gross, 347 5th Ave., 9 story, 87 x 125 ft., brick, steel, 147 East 83rd St. $600,000.

N. Y., New York—DANCE STUDIO—Dance Guild, M. Iota in charge, Carnegie Bldg., plans by A.A. Fuhs, 411 East 57th St., dance studio. $2,000,000. D. Ferris, 101 Park Ave., consultant. Noted May 24.

N. Y., New York—HOTEL—Beaux Arts Development Corp., K. M. Mechison, pres., 31 East 40th St., plans by Godley & Fouilhoux, 101 Park Ave., 16 story, 89 x 158 ft., brick, steel, 307 East 44th St. $1,000,000.

N. Y., New York—OFFICE and APARTMENT—Thirty Seven West 72nd Street Corp., R. E. La Barre, pres., 79 East 79th St., plans by Harmon & Hart, 19 West 44th St., 15 story, 62 x 75 ft., brick, steel, 35 West 72nd St. $600,000.

N. Y., New York—STORE and APARTMENT—Ferol Realty Corp., 1492 Westchester Ave., plans by DeRose & Cavalieri, 370 East 149th St., 6 story, irregular shaped, brick, timber, St. Marys St. and Jackson Ave. $210,000.

N. Y., New York—STORE and APARTMENT—J. D. Rockefeller, Jr., 26 Bway., soon lets contract store and apartment. $300,000. A. J. Thomas, 2 West 46th St., archt.

N. J., Asbury Park — OFFICE — Monmouth Title Mortgage & Guaranty Co., 416 Main St., plans by P. Freshman, 50 Court St., Brooklyn, N. Y., 15 story, basement, brick, steel, rein.-con., plain found., Main St. $750,000. Noted Nov. 22.

N. J., East Orange — APARTMENT — Feldman Pivinick, 70 Custer Ave., Newark, plans by L. Kasoff, 164 Market St., Newark, 6 story, basement, brick, steel, plain found., Prospect St. and Park Ave. $325,000.

N. J., Elizabeth — APARTMENT — E. Glueck, 81 Elmora Ave., plans by W. L. Frnne, 91 Broad St., 3 story, basement, brick, steel, plain found., 81-3 Elmora Ave. $150,000. Noted Dec. 6.

N. J., Englewood—APARTMENT—Sigram Realty Co., 244 Grand Ave., plans by C. G. Mettburg, 7 South Dean St., 5 story, basement, brick, steel, plain found. Grand Ave. and Chester Pl. $250,000.

N. J., Englewood — APARTMENT — J. Summers, Grand Ave., sketches by C. Mettburg, 7 South Dean St., 5 story, basement, brick, steel, plain found., Chester Pl. and Grand Ave. $185,000. Noted Nov. 29.

N. J., Hackensack—APARTMENT—Kaplan & Bernstein, 146 West 29th St., Bayonne, plans by C. I. Goldberg, 437 Bway., Bayonne, 5 story, basement, 75 x 100 ft., brick, steel, plain found., Park and Clay Sts. $175,000.

N. J., Hackensack—GARAGE—Owner, c/o J. L. T. Tillack, archt., 173 Main St., sketches 2 story, basement, brick, steel, plain found., Gamewell Ave. and Union St. $150,000.

N. J., Hillside sta. Elizabeth)—APARTMENT—Economy Constr. & Realty Co., c/o E. V. Warren, archt., Essex Bldg., Newark, sketches 5 story, basement, brick, steel, plain found., Maple and Greenman Aves. $150,000.

N. J., Irvington (br. Newark)—APARTMENT—I. Bornstein, 157 Augusta St., Newark, 5 story, brick, steel, plain found., Lyons and Chester Aves. $150,000. Private plans.

N. J., Jersey City — CLUB — Victor Emanuel Lodge 396, Sons of Italy, G. Gaflero, chn., 1765 Hudson Blvd., will not construct 3 story, basement, 50 x 100 ft., brick, steel, plain found; Greenville Ave. and Hudson Blvd. $150,000. Project abandoned. A. L. Vigliante, 42 Passaic Ave., Garfield, archt. Noted Nov. 22.

N. J., Long Branch—HOTEL—W. H. Pawson, 25 West 43rd St., New York, sketches by Ellis, Aaronson & Heidrich, 25 West 43rd St., New York, rein.-con., brick, steel, plain found., Ocean Ave. $3,000,000.

N. J., Morristown—STORE—M. Epstein, 32 Park Pl., rejected bids general contract 5 story, basement, 70 x 75 ft., brick, steel, plain found., 32 Park Pl. $225,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted June 28.

N. J., Newark—OFFICE—American Insurance Co., 70 Park Pl., plans by J. H. and W. C. Ely, 605 Broad St., 10 story, basement, brick, steel, plain found., Broad St. and Washington Park. $500,000. Noted Sept. 20.

N. J., Passaic—APARTMENT—Avenue Realty Co., 173 Passaic St., plans by Preiskel & Skvarla, 2 Lexington Ave., 7 story, basement, brick, steel, plain found., 184-190 Lexington Ave. $225,000.

N. J., Passaic—APARTMENT—Buch & Walsh, 24 Lexington Ave., plans by Preiskel & Skvarla, 6 Lexington Ave., 3 story, basement, 100 x 100 ft., brick, steel, plain found., Brook Ave. and Idaho St. $150,000.

N. J., Ridgewood — THEATRE — North Oak Impvt. Co., F. A. Tetor, 243 West Ridgewood Ave., rejected bids 4 story, basement, brick, steel, rein.-con., plain found., Franklin Ave. and North Oak St. $1,000,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted May 3.

N. J., Rutherford—APARTMENT—Bergen Natl. Constr. Co., 68 Orient Way, 5 story, basement, brick, steel, plain found., Orient Way. $180,000. Private plans.

N. J., Somerville — APARTMENT — G. Zengales, 102 Walnut Ave., Cranford, plans by M. Kraut, 301 Hudson Blvd., Jersey City, 3 story, basement, brick, steel, plain found., North Bridge and William St., $150,000.

N. J., Tuckerton—CASINO—Enterprise Development Co., c/o E. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, 2 story, basement, brick, stucco, plain found. $150,000. Noted Nov. 22.

Pa., Phila.—APARTMENT—S. T. Hall, 17th and Sansom Sts., plans by A. W. Hall, 15th and Locust Sts., 9 story, basement, 36 x 80 ft., rein.-con., brick, steel, plain found., 1708 Sansom St. $150,000.

Pa., Phila.—THEATRE—Stanley Co. of America, 11th and Market Sts., plans by T. W. Lamb, 644 8th Ave., New York, brick, steel, Wayne and Cheleen Aves. $1,250,000.

N. C., Asheville — OFFICE — Hoggson Bros., (archts. and builders), 485 5th Ave., New York, bids early in January, separate contracts, remodeling building, Patton Ave. and Church St., for Wachovia Bank & Trust Co., F. H. Fries, Winston-Salem, pres. Noted May 31.

O., Akron — Y.W.C.A., 600 Lexington Ave., New York, plans by Fichter & Brooker, Metropolitan Bldg., and bids in spring Y.W.C.A. Building, High St. $500,000. L. Richards, Metropolitan Bldg., engr.

O., Cleveland—OFFICE—New York, Chicago St &. Louis R. R. Co., A. C. Harvey, ch. engr., and Cleveland Union Terminal Co., Terminal Tower, plans by Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., 14 story, brick, steel, concrete Union Terminal site.

O., Cleveland — THEATRE — Cleveland Union Terminal Co., C. L. Bradley, pres., Terminal Tower, plans by Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., brick, steel, concrete, Union Terminal site. $2,000,000.

O., Massillon — HOSPITAL — Massillon Hospital Assn., H. C. Brown, pres., 876 Akron St., plans by Hadlow, Hughes, Hick & Conrad, Union Mortgage Bldg., Cleveland, 5 story, basement, rein.-con., brick, Akron St. $500,000.

O., Toledo—APARTMENT—Manhattan Bldg. Co., c/o A. Hahn & Co., archts., Close Realty Bldg., soon lets contract 10 story, basement, Madison St. $800,000.

O., Toledo—STORE—Milner Store leased to Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., remodeling store. Summit St. $200,000.

O., Youngstown—ADMINISTRATION—Automatic Sprinkler Co. of America, Lake Erie Bank Bldg., Cleveland, administration building, Jones and Brittain Sts. $150,000.

Mich., Battle Creek—OFFICE and SERVICE STATION—Consumers Power Co., Jackson, 2 story, basement, rein.-con., brick, steel, stone, plain found., Jefferson St. $250,000. Private plans.

Mich., Detroit—BANK and OFFICE—Detroit Savings Bank, State and Griswold Sts., plans by C. L. Phelps, 503 Detroit Savings Bank Bldg., 2 story, basement, 100 x 150 ft., rein.-con., brick, steel, limestone, plain found., Grand River and Joy Rd. $250,000.

Mich., Detroit—EXHIBITION—Municipal Airport, plans by P. A. Fellows, City Hall, 1 and 2 story, concrete, brick, steel, plain found., French and Lynch Rds. $1,000,000. Noted Sept. 13.

Mich., Royal Oak—CITY HALL, FIRE STATION and MARKET—City, R. J. Whitney, city mgr., 2 and 3 story, rein.-con., brick, steel, stone, plain found. $150,000. Engineer and architect not selected.

Ill., Aurora—EXCHANGE—Illinois Bell Telephone Co., 212 West Washington St., Chicago, plans by Holabird & Root, 333 North Michigan Ave., Chicago, rein.-con., brick exchange building. $175,000.

Ill., Chicago—APARTMENT—Syndicate, c/o S. Collins, 111 West Washington St., plans by Lowenberg & Lowenberg, 111 West Monroe St., 3 story, basement, 125 x 250 ft., brick, North Ave. near Albany Ave. $850,000.

Ill., Chicago—THEATRE, APARTMENT and STORE—Syndicate, c/o L. J. Lesser, 38 South Dearborn St., sketches by W. W. Ahlschlager, Inc., 65 East Huron St., 44 story, basement, 160 x 180 ft., 8th St. and Michigan Ave. $15,000,000.

Ill., Chicago—WAREHOUSE—Anderson, Probst & White, archts., 80 East Jackson Blvd., soon take bids on revised plans 11 story warehouse, Ashland Ave. and Pershing Rd., for General Electric Co., River Rd., Schenectady, N. Y. $1,500,000.

Ill., Glenview—CLUB—Glenview Jockey Club, c/o G. J. Steinmetz, 612 North Michigan Ave., Chicago, plans by Jillson & Pierce, 35 East Wacker Dr., club, incl. grand stand, club house, golf course, race track and paddocks. $1,000,000.

Wis., Milwaukee—APARTMENT—Wold Investment Co., 123 Wisconsin Ave., plans by A. H. Siewert, 805 36th St., 4 story, basement, Lake Dr. $150,000.

Wis., Milwaukee—CLUB HOUSE—Milwaukee Country Club, Range Line Rd., soon lets contract club house and improvements, Green Ave. and Range Line Rd. $1,000,000. Fitzhugh & Scott, 214 Mason St., Milwaukee, archts. R. H. Bullard, 607 5th Ave., New York, assoc. archt.

Kan., Larned—HOSPITAL—State Building Comn., Topeka, hospital. $250,000 appropriation asked at next legislature.

Kan., Osawatomie — HOSPITAL — State Building Comn. receiving hospital building. $300,000 appropriation asked at next legislature.

Kan., Wichita—HOTEL and STORE—R. Otstat, J. Glagden, et al., Blackwell, Okla., plans by H. H. Mahler Co., Lynch Bldg., Tulsa, Okla., 19 story, basement, 125 x 140 ft., concrete, brick, steel, Lawrence and Williams Sts. $1,500,000. Noted Nov. 8.

Kan., Wichita — TELEPHONE EXCHANGE—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., soon takes bids 2 story, basement, 94 x 136 ft., rein.-con., brick, Topeka Ave. and 2nd St. I. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt.

Mo., Kansas City — APARTMENT — M. Shankman, 3128 Troots Ave., plans by Greenbaum, Hardy & Schumacher, 216 Scarrett Bldg., 6 story, basement, rein.-con., brick, 32nd St. and Troots Ave. $150,000.

Mo., St. Louis—HOME and HOSPITAL—H. G. Clymer, archt., Wainwright Bldg., soon lets contract excavation, concrete, masonry stone, cut stone, brick work, steel and iron roofing, plastering, sheet metal work and painting for 3 story, basement, 114 x 139 ft., rein.-con., brick, stone, 3740 Marine Ave., for Salvation Army, c/o W. Andrews, 3620 Finney Ave. Noted Nov. 15.

Tex., Mercedes—HOTEL—R. P. Tindel, 347 East Craig St., San Antonio, bids in February, 6 story, part basement, tower, brick hotel, incl. public garage. $150,000. B. F. Sinclair, c/o owner, archt.

Colo., Las Animas—EXCHANGE, etc.—Mountain States Telephone & Telegraph Co., 800 14th St., Denver, new exchange building, 6th St., also replacing overhead wires with underground cables.

Calif., Alameda—APARTMENT—Interests represented by C. L. Traver, 2315 Santa Clara Ave., plans by D. Stone, 354 Hobart St., Santa Clara, 5 story, basement, Hawthorne and Caroline Sts. $500,000. Noted Oct. 4.

Constr. News page 319

Buildings—Commercial (Continued)

Calif., Long Beach—GARAGE—City, H. S. Callahan, city mgr., 3 story, basement, rein.-con. garage. $200,000 or more. Engineer and architect not selected.

Ont., St. Catharines — HOTEL — St. Catharines Hotel Ltd., c/o Y. M. C. A., plans by Nicholson & McBeth, 46 Queen St., 7 story, basement, 80 x 120 ft., brick, steel, stone, St. Paul St. $350,000.

Ont., Toronto — APARTMENT — S. D. Robinson, 45 St. Clair Ave. W., plans by H. C. Roberts, 81 Victoria St., 2 story, basement, rein.-con., brick, steel, plain found., Gloucester St. $150,000.

Ont., Toronto—APARTMENT—W. John, 264 Millwood Rd., plans by E. A. Leigh, 46 Bloor St. W., 3 story, basement, concrete, brick, stone, Heath St. $150,000.

Que., Montreal—FIRE and POLICE STATIONS—See "Unclassified."

Bids Asked

Mass., Boston—MEDICAL WARD—City, Hospital Dpt., bids about Jan. 1, 8 story, basement, 50 x 140 ft., brick, limestone, plain found., Harrison Ave. $600,000. J. H. Ritchie & Associates, 250 Stuart St., archts. Noted Nov. 15.

Mass., Boston—STORE and OFFICE—S. J. Lowe, 1 State St., taking bids 3 story, basement, brick, stone, steel, plain found., 221-23 Washington St. $150,000. R. H. Doane, 162 Newbury St., archt. Noted Mar. 22.

Mass., Malden (br. Boston) — HOME — City, Overseers of the Poor, taking bids 2 story, basement, 100 x 115 ft., brick, steel, plain found., Sylvan and Forest Sts. $200,000. C. F. Springall, 50 Park St., archt. Noted Nov. 29.

Mass., Monson—EMPLOYEES HOME—Dec. 19, by Dpt. Mental Diseases, 3 story, basement, 35 x 35 ft., and 35 x 120 ft. male employees home, at State Hospital. $150,000. G. Robb, 14 Beacon St., Boston, archt. Noted Oct. 4.

Mass., Natick—THEATRE—Harris Theatre Corp., N. G. Harris, pres., 34 Brooks St., Wellesley, bids about Dec. 20 on revised plans 2 story, basement, 60 x 80 x 200 ft., brick, steel, Hayes and Central Sts. $150,000-$160,000. J. E. Kelley, 38 Chauncy St., Boston, archt. Noted Sept. 6.

Mass., Needham (Ind. br. Boston) — BANK, STORE and OFFICE—Needham Natl. Bank for Savings & Trust, H. A. Carter, pres., 402 Highland Ave., taking bids 1 and 2 story, basement, rein.-con., brick, plain found., Great Plain Ave. $150,000. T. M. James Co., 3 Park St., Boston, archt. Noted Nov. 15.

R. I., Providence—APARTMENT—See "Contracts Awarded."

Conn., New Haven—Y.M.C.A., 568 Chapel St., taking bids 4 story, basement, 50 x 180 ft., and 35 x 100 ft., brick, steel, rein.-con. building, incl. cafeteria, dormitory, office, and swimming pool, Humphrey St. $350,000. W. Thompson, 342 Madison Ave., New York, engr. D. Orr, 956 Chapel St., archt.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—HOSPITAL—Italian Benevolent Institute, S. M. Serrari, 617 East 83rd St., bids about Jan. 15, general contract hospital. $2,000,000. A. J. DePace, 151 West 46th St., archt. Noted Oct. 25.

N. Y., New York—LOFT, STORAGE and OFFICE, etc.—M. P. B. Realty Corp., M. Barkin, pres., 64 West 48th St., taking bids on separate contracts 16 story, 42 West 46th St. $250,000. G. and E. Blum, 415 Lexington Ave., archts. Noted Oct. 18.

N. Y., Rockaway Beach (Ind. sta. Far Rockaway) — STATION HOUSE, etc. — Dec. 17, by J. A. Warren, police comr. at Bookkeepers Office, Police Dpt., 240 Centre St., New York, 123rd Precinct Station House, prison and garage, Beach 94th St. and Rockaway Beach Blvd. Noted May 31 under "Far Rockaway."

N. J., Bayonne—MUNICIPAL—City, W. P. Lee, clk., City Hall, bids about Jan. 15, general contract 4 story, basement, brick, steel, rein.-con., plain found., Ave. C between 27th and 28th Sts. $1,000,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Oct. 18.

N. J., Belmar—HOTEL—Staffa Constr. Co. (J. Friedman), 609 6th Ave., taking sub-bids, 4 story, basement, 60 x 120 ft., brick, rein.-con., plain found., incl. tennis courts, public bath house, swimming pool, Ocean Ave. and 14th St. $150,000.

N. J., Belmar—HOTEL—Traub Bros., 1303 E St., taking sub-bids altering and constructing 4 story, basement, 100 x 100 ft., brick addition, plain found. $150,000. E. F. Hauser, 11 Clinton St., Newark, archt. Noted Dec. 13.

Constr. News page 320

N. J., Englewood — STORES and GARAGES — J. & A. Pasternack, 255 Harrison St., Passaic, taking bids general contract 1 story, basement, 180 x 180 ft., brick, steel, plain found., Palisade and Grand Aves. 175,000. F. Pirrone, 104 Midland Ave., Garfield, archt. Noted Nov. 29.

N. J., North Arlington (mail Arlington) — APARTMENT — See "Contracts Awarded."

N. J., Paterson—APARTMENT—D. J. Scrocco, archt., 60 Park Pl., Newark, taking bids 9 story, basement, 50 x 142 ft., brick, steel, plain found., 226 Bway., for A. L. Hoffspiegel, 282 Bway. $450,000.

N. J., Paterson — F. W. Wentworth, archt., 140 Market St., bids about Jan. 15, general contract 3 story, basement, 115 x 140 ft., rein.-con., brick, steel, plain found., for Y.M.C.A., R. J. Walsh, genl. secy., 141 Clinton St., Ward and Prince Sts. $750,000. Noted Dec. 6.

N. J., Secaucus (Ind. br. West New York) —HOSPITAL—Bd. Freeholders Hudson Co., Court House, Jersey City, bids about Jan. 15, 4 story, basement, brick, steel, rein.-con., plain found., County Ave. $500,000. J. T. Rowland, 30 Journal Sq., Jersey City, archt. Noted Nov. 8.

Miss., Meridian—HOSPITAL—Dec. 18, by East Mississippi State Hospital, c/o Mississippi State Building Comn., Jackson, 3 story, rein.-con., brick, steel. $225,000. R. C. Springer, Rosenbaum Bldg., archt. Noted June 28.

Tenn., Nashville — WORKHOUSE—Dec. 26, by F. M. Dorris, chn. Davidson Co., Court House, workhouse, South 5th and Hitt Sts. Asmus & Clark, 1415-18 Nashville Trust Bldg., archts.

Ohio—ADMINISTRATION, COTTAGES and SCHOOL—Dec. 28, by J. E. Harper, dir. Dpt. Welfare, 9th and Oak Sts., Columbus, 2 story, basement, 42 x 175 ft., administration building, $200,000, two 2 story, basement, 30 x 50 ft. cottages, $188,000, all concrete, brick, steel at Apple Creek; 2 story, basement, 30 x 90 ft. school, and 2 story, basement, 30 x 78 ft. cottage with 33 x 55 ft. wing, both concrete, brick, stone at Marysville, $120,000; 3 story, basement, 81 x 142 ft., rein.-con., brick, steel, stone cottage at Gallipolis, $125,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt.

Ind., Evansville—GARAGE—A. Sanderson, c/o H. E. Boyle, archt., Furniture Bldg., taking bids 6 story, 96 x 225 ft., rein.-con., brick. $150,000.

Ind., Ft. Wayne—OFFICE—Dudlo Mfg. Co. taking bids 2 story, basement, 98 x 142 ft., rein.-con., brick, Wall St. $150,000. G. Mahurin, 425 Standard Bldg., archt.

Ill., Chicago—APARTMENT—J. J. Jensen, archt., 1105 Lawrence Ave., taking bids 13 story, basement, 67 x 130 ft., brick, terra cotta, 1330-34 Columbia Ave., for Syndicate, c/o architect.

Ill., Chicago — APARTMENT — Michaelson & Rognstad, archts., taking bids 6 story, basement, 48 x 165 ft., rein.-con., brick, terra cotta, 2112 Humboldt Blvd., for M. Jorgensen, 2112 Humboldt Blvd. $300,000.

Ill., Chicago — OFFICE and STORE — Childs & Smith, archts., 720 North Michigan Ave., bids about Dec. 15, 12 story, basement, 100 x 100 ft., rein.-con., brick, steel, stone, woodpile found., Ohio and Cass Sts., for Amer. Bankers Insurance, Inc., 45 East Ohio St. $900,000. Noted Oct. 18.

Kan., Norton—COURT HOUSE—Norton Co., c/o Clerk, bids about Dec. 20, 4 story, basement, 80 x 100 ft., rein.-con., brick, bedford stone. $200,000. Cuthbert & Suehrk, 735 Kansas Ave., Topeka, archts. Noted Dec. 6.

Kan., Wichita—HOTEL—See "Contracts Awarded."

Tex., Baird—COURTHOUSE—Dec. 27, by Callahan Co., c/o W. C. White, judge, Baird, brick, stone, rein.-con. $150,000. Voelcker & Dixon, Perkins-Snider Bldg., Wichita Falls, archts. Noted Nov. 15.

Colo., Denver—COURT HOUSE, etc.—Dec. 31, by Manager Impvts. & Parks, City Hall, 5 story, basement, 273 x 435 ft., granite, stone, steel, rein.-con. court house, and 52 x 90 ft. brick, steel, rein.-con. boiler house, 45 ft. above ground, Bannock St. between West 14th and West 15th Sts., for City and Denver Co. $5,000,000. Former contract rescinded.

Ont., Toronto—APARTMENT—See "Contracts Awarded."

Contracts Awarded

Me., Portland — COMMERCIAL — Dartmouth R. E. Co., F. A. Rumery, pres., 2 story, basement 120 x 180 ft., limestone, steel, plain found., Forrest Ave. to F. A. Rumery Co., 537 Congress St. To exceed $150,000.

Mass., Brookline (br. Boston)—APARTMENT—J. Silverstein, 31 Wolcott St., Dorchester, 3 story, basement, irregular sized, brick, stone, structural steel, plain found., Lanack Rd. corner Englewood Ave., separate contracts. $150,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Conn., Greenwich — CLUB — Riverside Yacht Club, Riverside, club house, to G. L. White, Smith Bldg., Greenwich.

R. I., Providence — APARTMENT — H. Soren, 206 Prairie Ave., 4 story, basement, irregular sized, brick, plain found., 107-111 Medway St., separate contracts. $150,000. Page & Page, 87 Weybosset St., archts.

R. I., Providence—APARTMENT—L. C. Wales, 329 Morris Ave., 6 story, basement, 60 x 70 ft., brick, plain found., Taft Ave. and Sessions St., separate contracts. To exceed $150,000. H. Marshak, 75 Westminster St., archt.

Conn., Hartford — WAREHOUSE — S. Shulansky, 101 Windsor Ave., 4 story, 85 x 150 ft., brick, rein.-con., to C. Seigel, 304 Edgewood St. Est. $150,000. Noted Nov. 8.

Conn., New Haven—ARMORY—L. L. Field, 129 Church St., 3 story, 200 x 250 ft., brick, steel, concrete, for State, to C. Abbadessa & Bros., 159 Winthrop Ave., $520,034; heating, to G. W. Cunningham & Co., 18 Wells St., Hartford, $32,066; piling, to Raymond Concrete Pile Co., 140 Cedar St., New York, $35,850. Grand total $587,950. Noted Dec. 6.

N. Y., New York—APARTMENT—Bregman Bros., 1068 East Tremont Ave., 6 story, brick, timber, Jerome Ave. and 165th St., separate contracts. $150,000. H. Ginsberg, 222 East 42nd St., archt.

N. Y., New York—APARTMENT—Corporation, c/o A. Fell, 400 East Fordham Rd., 6 story, 70 x 101 ft., brick, timber, to Winchester Building Corp., 400 East Fordham Rd. Est. $150,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o H. Hoch, 332 East 149th St., 6 story, brick, timber, Bronx Blvd. and 228th St., to Koch Constr. Co., 332 East 149th St. Est. $200,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o H. Davis, 728 Trinity Ave., 5 story, 91 x 100 ft., brick, timber, to Watson Constr. Co., 728 Trinity Ave. Est. $150,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o C. Richardson, 41 East 42nd St., 4 story, 89 x 100 ft., brick, timber, to Charles Lee Building Corp., 41 East 42nd St. Est. $150,000. Noted Nov. 29.

N. Y., New York—HOSPITAL—Mid-town Hospital, G. A. Helme, pres., 227 East 57th St., 6 story, brick, to G. E. Paul, c/o owner. Est. $350,000. Noted Oct. 18.

N. J., Asbury Park — APARTMENT — Park Lane Holding, Co., 601 Bangs Ave., general contract 9 story, basement, 100 x 100 ft., brick, steel, plain found., Deal Lake Dr. and Park Ave., to Klausner, Inc., Deal Lake Dr. and Park Ave. Est. $350,000. Contracts taking sub-bids.

N. J., East Orange — APARTMENT — Krieger & Krieger, Inc., 133 South Burnett St., 4 story, basement, 91 x 144 ft., brick, steel, plain found., North Arlington Ave. Owner builds by separate contracts. $150,000. Noted Nov. 22.

N. J., Hackensack—CLUB—J. Riley Gordon, archt., 475 5th Ave., New York, 5 story club, to Ferber Constr. Co., 16 Johnson Ave., for B.P.O.E., 177 State St. Est. $400,000. Noted Nov. 22.

N. J., Hackensack — GARAGE — T. Walker, Closter, general contract 2 story, basement, 115 x 140 ft., brick, steel, rein.-con., plain found. 1st and Atlantic Ave., to A. A. La Fountain, Inc., R. R. Ave. and Beach St. Est. $150,000.

N. J., Jersey City — APARTMENT and STORE — A. A. Berstein, 1239 Hudson Blvd., West New York, 4 story, basement, 50 x 100 ft., brick, steel, plain found., 1200 Summit Ave., separate contracts. $150,000. G. B. McIntyre, 608 Park Ave., West New York, archt.

N. J., North Arlington (mail Arlington) —APARTMENT—J. Leff, 9 Porter Pl., Newark, 3 story, basement, brick, steel, plain found., Bond Pl. and Prospect Ave., separate contracts. $150,000. J. Centanni, 142 Market St., Newark, archt. Noted Dec. 6.

Pa., Washington — ADMINISTRATION and RECREATION—Y. W. C. A., general contract 3 story, basement, brick, steel, concrete, to Washington Eng. & Constr. Co., Washington. Est. $250,000. Noted Oct. 25.

Md., Baltimore—DEPARTMENT STORE—The Hub, Charles and Baltimore Sts., 3 story, concrete, brick, steel addition, Charles and Fayette Sts., to Consolidated Eng. Co., 20 East Franklin St., $150,000.

N. C., Pinehurst—HOSPITAL—Leonard Tufts et al, Pinehurst, 40 bed modern hos-

Buildings—Commercial (Continued)

pital, on State Highway, to Jewell-Riddle Co., Sanford, $160,000.

Miss., Sanatorium — SANITORIUM — Mississippi Building Comn., State House, Jackson, W. C. Trotter, secy., general contract additions, incl. two 1 story buildings, 5 residences, dairy barn, poultry houses, landscape work, repairing administration building, incinerator and sprinkler system, to Kershaw Constr. Co., Woodward Bldg., Birmingham, Ala., $252,000. Noted Nov. 18.

Tenn., Knoxville—MEDICAL ARTS and GARAGE—Medical Arts Building Corp., 13 story, 70 x 103 ft., rein.-con., with 3 story, 109 x 145 ft. garage, to Worsham Bros., Empire Bldg., $500,000. Noted Aug. 2.

O., Lorain—STORE—A. P. O'Donnell, 2 story, basement, 48 x 120 ft., brick, steel, concrete, Bway., to T. J. Hume, 435 Hamilton Ave. Est. $150,000. Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Mich., Owosso—HOTEL—B. K. Gibson, archt., 624 South Wabash St., Chicago, Ill., 5 story, basement, 88 x 112 ft., concrete, brick, steel, plain found., to Realty Constr. Co., 502 Industrial Bank Bldg., Flint, for Owosso Hotel Co. Est. $400,000. Noted Dec. 8.

Ill., Champaign — SOCIAL CENTER — Holmes & Flynn, archts., 8 South Dearborn St., Chicago, 2 story, basement, 100 x 150 ft., rein.-con., brick, Bedford stone, East Daniels St., to A. W. Stoolman, Champaign, for McKinley Foundation, c/o J. W. Malone, Jr., 412 East Daniels St. Est. $200,000. Noted Nov. 22.

Ill., Chicago — APARTMENT — L. F. Urbain, archt., 1254 Lake Shore Dr., masonry contract 6 story, 83 x 125 ft., brick, 6748-53 Ashland Ave., to Nelson Building Constr. Co., 4440 North Kedzie Ave., carpentry, to Fort Dearborn Constr. Co., 139 North Clark St., for Rogers Park Building Corp., 1254 Lake Shore Dr. Est. $300,000. Noted Oct. 18.

Ill., Chicago—CLUB—Shattuck & Layer, archts., 134 North La Salle St., general contract 4 story, basement, 125 x 133 ft., to W. E. O'Neil Constr. Co., 308 West Washington St.; plumbing, to W. J. Sievert, 3711 West North Ave., for Northwest Lyons Building Corp., 3850 West North Ave. Est. $500,000. Noted Oct. 11.

Ill., Dunning—HOSPITAL—State Dept. Purchases & Constr. Springfield, remodeling service building into hospital, also 2 story, rein.-con., brick addition, to C. A. Moses Constr. Co., 176 West Adams St., Chicago. Est. $200,000.

Ill., Peoria—MAUSOLEUM—Springfield Cemetery Assn., Peoria Life Bldg., C. N. Wheeler, secy., rein.-con., brick, stone, marble, to Malley Mausoleum Co., Peoria Life Bldg., Est. $450,000.

Kan., Arkansas City — OFFICE — Arkansas City Office Building Co., J. W. Ralston, pres., 6 story, mezzanine, basement, 79 x 100 ft., rein.-con., brick, stone, granite, steel, West 15th St., to Underhill Constr. Co., Wichita. Est. $400,000. Noted Oct. 4 under "Contracts Awarded."

Kan., Wichita—HOTEL—Hurley Park Investment Co., 206 Orpheum Bldg., 9 story, basement, 43 x 137 ft., rein.-con., brick, 601-605 North Lawrence St., separate contracts. $400,000. N. E. Peters, 1005 Orear-Leslie Bldg., Kansas City, Mo., archt.

Neb., North Platte — HOTEL — Keith Neville, 8 story, basement, 100 x 132 ft., rein.-con. hotel, to A. Beck, Keeline Bldg., Omaha.

Mo., Kansas City—STORE—Kleins, Inc., 1113 Walnut St., 5 story, basement, 42 x 112 ft. addition, to Swenson Constr. Co., Shubert Bldg. Est. $150,000.

Mo., St. Louis—STATION—Terminal R.R. Assn., H. Miller, pres., 2 story addition to railroad station, to Dwight P. Robinson & Co., 125 East 45th St., New York. Est. $200,000.

Okla., Oklahoma City—AUTO HOTEL—C. M. Denning & Co., 420½ North Hudson St., 8 story, basement, 70 x 140 ft., rein.-con., plain found., 17 North Hudson St. $275,000. Owner builds. Ramp Motor Hotel Co., Detroit, Mich., archts.

Calif., Fairfax — HOTEL — Corporation financed by Western Management & Finance Co., 1st Natl. Bank Bldg., San Francisco, 7 story, basement, steel, rein.-con., incl. club building, golf course, to Thebo, Starr & Anderson, Sharon Bldg., San Francisco, $1,250,000.

Calif., San Francisco—APARTMENT—Pacific Avenue Corp., E. Tropp, 105 Montgomery St., 15 story, basement Class "A" Pacific Ave. near Laguna St. Owner builds under supervision of archt. $700,000. D. Stone, 354 Hobart St., Oakland, archt. Noted Aug. 2.

Que., Montreal—COURT—City Council, juvenile court, to Robertson & Janin Ltd., 702 Sherbrooke St. W., $193,000.

Ont., Hamilton—CLUBHOUSE—Hamilton Golf & Country Club, c/o Hutton & Souter, archts., 6 James St. S., general contract 3 story, basement, concrete, brick, steel, stone, to W. H. Cooper, 6 Hughson St. N., steel, to Hamilton Bridge Wks., Bay St. N., cut stone, to Sharp Bros., 516 Kenilworth Ave. N., steel joist, to Trussed Concrete Steel Co., Federal Bldg., Toronto. Est. $150,000.

Ont., Sandwich—CLUB HOUSE—Essex Golf & Country Club, near Michigan Ave., general contract concrete, brick, to E. G. Morely, 1340 Dougall Ave., Windsor; structural steel, to T. J. Eanson & Sons, 300 Pitt St., Windsor, cut stone, to Select Cut Stone Co., McDougall St., Windsor; marble, to Excelsior Granite Wks., 123 Pitt St., Windsor. Est. $150,000.

Ont., Toronto — APARTMENT — British Constr. Co., Federal Bldg., 4 story, basement, rein.-con., brick, steel, plain found., Vaughan Rd. day labor. $150,000. V. L. Morgan & Co., Earle Ave., Weston, archts.

Ont., Toronto—APARTMENT—Bromley & Callahan, c/o W. C. Charters, archt., 2339 Queen St. E., excavation for 3 story, basement, 36 x 155 ft., Broadway Ave., to Gordon Contg. Co., 118 Branstone Rd.; masonry, to B. A. Hart, 43 Cross St. Est. $150,000.

Ont., Toronto—DEPARTMENT STORE—T. Eaton Co. Ltd., Yonge and Queen Sts., 7 story, 2 basement, 208 x 247 ft., 1 story, 2 basement, 86 x 414 ft., 1 story, 2 basement, 123 x 294 ft., foundations for above, to Fuller Constr. Co. of Canada, 25 Adelaide St. E.; structural steel, to McGregor-McIntyre Co. Ltd., 1139 Shaw St. Est. $2,500,000. Total est. $10,000,000. Noted Aug. 9.

B. C., New Westminster—WAREHOUSE—British Columbia Distilleries Ltd., Sapperton St., 7 story, 134 x 155 ft., rein.-con., to Northern Constr. Co. Ltd., 736 Granville St., Vancouver, $152,000.

Buildings—Educational, Religious

Proposed Work

Me., Portland—CHURCH—St. Joseph's Roman Catholic Church, J. Houlihan, pastor, plans by W. B. Colleary, 80 Boylston St., Boston, Mass., 1 story, basement, 75 x 160 ft., granite, plain found. $150,000.

Mass., Ashland—SCHOOL—Town, E. R. Dearborn, chn. building com., revised plans by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story, basement, brick, plain found., incl. gymnasium, auditorium. $150,000. Former bids rejected. Noted Nov. 29.

Mass., Fall River—NURSES HOME—Truesdale Hospital, D. S. Jones, supt., 1820 Highland Ave., sketches by E. I. Marvell, 209 Bedford St., brick, steel, Highland Ave. $150,000.

Mass., Pittsfield—HIGH SCHOOL—City, c/o C. L. Hibbard, chn. building com., new sketches by J. D. Leland & Co., Statler Bldg., Boston, 2 story, basement, brick, plain found., East, 2nd and Willis Sts. $200,000.

Mass., Quincy (Ind. br. Boston) — CHURCH — Community Congregational Church, C. Easton, pastor, 81 Edison Park, plans by T. B. Syme, 42 Thornton St., and soon takes bids 1 story, basement, brick, stone, plain found., Washington St. and Albey Rd. $150,000.

R. I., Cumberland (mail Manville) — SCHOOLS—Town, I. Mitchell, supt. schools, addition to high school and grade school in Lonedale Sect., each brick and steel. $150,000. Engineer and architect not selected.

R. I., Woonsocket—SCHOOL—City, supt. schools, plans by W. F. Fontaine, 285 Main St., brick and steel, in East Woonsocket. $150,000.

Conn., Hartford—CHURCH—Broadview Community Parish, S. B. Crosland, pastor, plans by H. Gibson, c/o owner, 2 story, basement, brick, stone, incl. library, classrooms and bowling, Roger and Oliver Sts. $150,000. Noted Dec. 6.

Conn., Windsor—HIGH SCHOOL—Windsor Superintendent of Schools plans by H. A. Hayden, 175 Main St., Bristol, brick, steel addition. $150,000.

N. Y., Brooklyn — NURSES HOME — Church Charity Foundation, c/o R. R. Ernest, plans by Koch & Wagner, 32 Court St., altering and constructing 4 story, brick addition, Atlantic and Albany Aves. $200,000.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by W. C. Martin, Flatbush Ave. extension and Concord St., 4 story, 178 x 182 ft., brick, 23rd Ave., 60th and 61st Sts. $715,000.

N. Y., Farmingdale—HIGH SCHOOL—Bd. Educ. Dist. 22, A. Scherer, pres., sketches by Coffin & Coffin, 522 5th Ave., New York, 3 story high school. $350,000.

N. Y., Floral Park — SCHOOL — Union School Dist., c/o H. E. Foster, Elmont, soon takes bids school. $850,000. Knappe & Morris, 171 Madison Ave., New York, archts. Noted Apr. 5.

N. Y., Nanuet—SCHOOL—Bd. Trustees, c/o R. H. Morris, Nanuet, soon lets contract school addition. $165,000. Tooker & Marsh, 101 Park Ave., New York, archts. Noted Sept. 27.

N. Y., Wading River — ORPHANAGE — Little House of Providence for Colored Children, Mr. Quinn, in charge, 27 Claver Pl., Brooklyn, soon lets contract orphanage. $150,000. Murphy & Lehman, 208 Livingston St., Brooklyn, archts.

N. J., Bayonne — SCHOOL — Bd. Educ., City Hall, sketches by D. G. Anderson, 718 Bway., 3 story, basement, brick, steel, rein.-con., plain found., Avenue B between 56th and 57th Sts. $500,000.

N. J., Closter — SCHOOL — Bd. Educ., Main St., sketches by Lee & Hewitt, 152 Market St., Paterson, 2 story, basement, brick, steel, rein.-con., plain found., Main and High Sts. $265,000. Noted Oct. 25.

N. J., Elizabeth—CHURCH—Church of The Most Holy Rosary, c/o J. B. Beatty, archt., 15 North Reid St., 1 story, basement, 90 x 130 ft., brick, steel, plain found. Elizabeth Ave. $200,000. Noted Nov. 29.

N. J., Jersey City—SCHOOL—Our Lady of Czvestchowa Roman Catholic Church, I. Szudrowicz, pastor, 120 Sussex St., sketches 2 story, basement, brick, steel, rein.-con., plain found., Henderson and York Sts. $200,000. Engineer and architect not selected. Noted Dec. 6.

N. J., Millville — SCHOOL — Bd. Educ. plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, rein.-con., brick, steel, plain found. $200,000. Noted Dec. 6.

N. J., Newark—MUSEUM—New Jersey Historical Society, West Park St., plans by J. H. & W. C. Ely, 605 Broad St., 3 story, basement, 118 x 120 ft., brick, steel, plain found., Broadway and Taylor Sts. $300,000.

N. J., Passaic—COMMUNITY CENTER—Ahravas Israel, M. Burg, in charge, will not construct 5 story, basement, 100 x 150 ft., brick, steel, plain found., 181 Van Houten Ave. $150,000. Project abandoned. Noted Nov. 29.

N. J., Raritan — SCHOOL — Bd. Educ., Twp. Hall, plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found., Piscataway-town section. $175,000.

N. J., River Edge—SCHOOL—Bd. Educ., Boro Hall, sketches by E. Sibley, Bluff Rd., Palisade, archt., altering and constructing 2 story, basement, brick, steel, plain found. $150,000.

N. J., Westwood—SCHOOL—Bd. Educ., Boro Hall, will not construct 2 story, basement, brick, steel, plain found. $325,000. Project abandoned. Noted Nov. 8.

Del., Wilmington—SCHOOL—Owner, c/o Guilbert & Betelle, archts., 20 Branford Pl., Newark, N. J., sketches St. Elizabeth School, 2 story, basement, brick, steel, plain found. $150,000.

N. C., Winston-Salem—CHURCH, SUNDAY SCHOOL and PARISH HOUSE—Centenary-West End Methodist Episcopal Church, J. C. Hanes, chn. building com., plans by Mayers, Murray & Phillip, and Bertram Goodhue Associates, 2 West 47th St., New York, and takes bids in February, Gothic type, stone, brick, structural steel, rein.-con. found., West 5th St. $1,000,000. Northup & O'Brien, Starbuck Bldg., archts. for parsonage. Noted Nov. 1.

Miss., Jackson—CHURCH—Capitol Street Methodist Congregation, E. G. Flowers, chn. building com., c/o Enoch & Flowers, Ltd., bids soon 2 story, rein.-con., brick, stone, Grand and Magnolia Aves. $500,000. C. H. Lindsley, Lamar Lofe Bldg., archt.

O., Cleveland—LABORATORY—Western Reserve University, S. S. Wilson, secy., 10940 Euclid Ave., plans by C. W. Hopkinson, Rose Bldg., 3 story, 62 x 120 ft., concrete, brick, steel, Euclid Ave. $150,000.

Constr. News page 321

Buildings—Educational, Religious (Cont.)

O., Euclid (br. Cleveland)—SCHOOLS—Bd. Educ., G. E. Witmer, clk., 1550 Chardon Rd., plans by Fulton & Taylor, 8120 Euclid Ave., Cleveland, 2 story, rein.-con., brick additions to Shore, Euclid, Upson and Noble Schools. $600,000. Noted Aug. 9.

O., Wooster — AUDITORIUM, GYMNASIUM, etc. — Wooster College, C. F. Wishart, pres., campaigning for $750,000 funds, gymnasium, auditorium, womens dormitory and power plant. D. E. Waide, 1 Madison Ave., New York, archt.

Mich., Ann Arbor — SCHOOL — St. Thomas Parish, A. Carey, pastor, plans by Donaldson & Meier, 1188 1st Natl. Bldg., Detroit, 2 story, basement, brick, rein.-con., steel, stone, plain found. $150,000.

Mich., Bloomfield Hills (Birmingham P. O.) — SCHOOL — Christ Episcopal Church, Cranbrook School, plans by Cranbrook Architectural Service, Lone Pine Rd., rein.-con., brick, steel, stone school for girls, Lone Pine Rd. $150,000.

Mich, Grand Ledge—HIGH SCHOOL—Bd. Educ. plans by J. N. Churchill, Prudden Bldg., Lansing, 2 story, basement, rein.-con., brick, steel, plain found., incl. class rooms, gymnasium, auditorium. $150,000.

Ill., DeKalb—LIBRARY—City, c/o J. W. Kingsley, mayor, sketches rein.-con., brick, stone memorial library. $150,000.

Ill., Evanston—NURSES HOME—Evanston Hospital, Ridge Ave., plans by H. B. Wheelock, 64 West Randolph St., Chicago, 4 or 6 story, 100 x 150 ft., Ridge Ave. $600,000.

Ill., Springfield—ADMINISTRATION—Concordia College, H. A. Klein, pres., 1301 Concordia Ave., bids early in 1929, 3 story, rein.-con., brick, stone administration building. $250,000. Helme & Helme, 1st Natl. Bank Bldg., archts.

Kan., Emporia — LIBRARY — Emporia Teachers College, library. $150,000 appropriation asked at next legislature.

Kan., Manhattan—EMERGENCY—Kansas State Agricultural School, Manhattan, emergency building. $200,000 appropriation asked at next legislature.

Mo., Kansas City—CHURCH—Church of Christ Scientist plans by Keene & Simpson, 1005 Land Bank Bldg., 2 story, basement, rein.-con., brick, Belleview and Ward Parkway. $150,000.

Mo., St. Joseph—SCHOOLS—Bd. Educ. plans by W. B. Ittner, 911 Locust St., St. Louis, Senior High School, Junior High School and 4 grade schools, rein.-con., brick, stone; also altering and constructing additions to existing schools. $2,180,000. Noted Nov. 1.

Ark., Fayetteville—UNIVERSITY—University of Arkansas, J. S. Futrall, pres., sketches six 2 and 3 story, rein.-con., brick, stone buildings on campus. $1,800,000.

Ark., Little Rock — HIGH SCHOOL — Bd. Educ., W. N. Brandon, secy., 8th and Louisiana Sts., bids in February or March, 3 story, basement, rein.-con., brick, stone, 18th and Ringo Sts. $300,000. Wittenberg & Deloney, Home Insurance Bldg., archts.

Tex., San Antonio—CARNEGIE LIBRARY—City, c/o C. M. Chambers, mayor, soon takes bids altering and constructing 2 story, mezzanine, rein.-con., limestone addition, Market St. $250,000. H. S. Green, c/o Alamo Natl. Bank Bldg., archt. Noted Aug. 30.

Calif., Hollister — SCHOOL — Hollister Elementary School Dist., sketches by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, group 1 story, concrete buildings. $150,000.

Calif., Mt. Diablo—SCHOOL—Mt. Diablo Union High School Dist. plans by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, fireproof school buildings. $350,000.

P. E. I., Charlottetown—LIBRARY and ART GALLERY—C. Harris, executor, Mahone Bay Harris Memorial Library and art gallery. $150,000.

Que., St. Paulin—CHURCH—A. Lefleck, pastor, Catholic Church. $200,000.

Bids Asked

Mass., Boston—SCHOOL—Dec. 19 (extended date), by Schoolhouse Dpt., City Hall, 3 story, basement, irregular sized, brick, granite, limestone, plain found., Kilmarnock and Peterborough Sts., Prince Dist. $160,000. G. E. Robinson, 80 Federal St., archt. Noted Oct. 25.

Mass., Mattapan (sta. Boston)—NURSES HOME—Dec. 20, by City of Boston, Hospital Dpt., Harrison Ave., 3 story, basement, irregular sized, rein.-con., brick, plain found., River St. $195,000. J. H. Ritchie & Associates, 250 Stuart St., Boston, archts.

Mass., Medford (br. Boston)—SCHOOL—Dec. 17, by Schoolhouse Bldg. Com. City Hall, 2 story, basement school, Hicks Ave.

Constr. News page 322

$150,000. W. Atherton & C. Tiffany, 148 State St., Boston, archts. Noted Aug. 30.

Mass., Norwood—HIGH SCHOOL—Dec. 24 (extended date), by W. G. Upham, archt., Washington St., Junior High School, 3 story, basement, irregular sized for Town, L. Grant, supt. schools. $175,000. Noted Nov. 22.

Mass., West Roxbury (br. Boston) — CHURCH — Holy Name Parish, W. P. McNamara, pastor, taking bids on revised plans 1 story, basement, brick, stone, plain found., Centre St. To exceed $150,000. E. T. P. Graham, 171 Newbury St., Boston, archt. Noted Aug. 9.

R. I., Providence—CHURCH—Dec. 27, by J. F. Hogan, archt., Grosvenor Bldg., remodeling 1 story, basement, brick, stone, plain found., 934 Branch Ave. for St. Edwards Parish, E. J. Colgan, pastor. $150,000. Noted Oct. 11.

N. Y., Brooklyn—COLLEGE—Tooker & Marsh, archts., 101 Park Ave., New York, bids about Dec. 15, general contract college, for Brooklyn College of Pharmacy, 265 Nostrand Ave. $600,000. Noted Sept. 13.

N. Y., New York — CHURCH and APARTMENTS — E. Roth, archt., 1440 Bway., taking bids excavation and steel for 14 story, 162 2nd Ave., for New York City Baptist Mission Society, 276 5th Ave. $1,100,000. Noted Dec. 6.

N. J., Elizabeth—SCHOOL—Bd. Educ., 147 South Broad St., bids about Jan. 15, School 20, 2 story, basement, brick, steel, rein.-con., plain found., Magnolia Ave. near 5th St. $200,000. H. Brady, 333 North Broad St., archt. Noted Nov. 15.

N. Y., Syracuse—HIGH SCHOOL—Dec. 17, by Bd. Contr. & Supply, City Hall, Central High School, 4 story, 190 x 257 ft., brick, steel, concrete pile found., South Salina St. $400,000. A. L. Brockaway, 3rd Natl. Bank Bldg., archt. N. F. Pitts, Jr., city engr.

N. J., Little Ferry—SCHOOL—Bd. Educ., Main St., bids about Feb. 1, 2 story, basement, brick, steel addition to Washington School, plain found. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archts. Noted Nov. 1.

Ind., Lawrence — SCHOOL — School Comrs., C. C. Negley, trustee, R. R. K., Indianapolis, taking bids and open same about Dec. 22, 2 story, basement, 140 x 153 ft., brick, steel, stone. $150,000. L. Hoatson, 60 West 30th St., Indianapolis, archt.

Ind., North Manchester — SCHOOL — School Comrs. C. Wright, trustee, taking bids and open same about Dec. 15, 2 story, basement, brick, steel, incl. 12 class-rooms, assembly hall, gymnasium and auditorium, in Chester Twp. $150,000. E. H. Brown, 309 1st Natl. Bank Bldg., Fort Wayne, archt. Noted Oct. 11.

Ind., South Bend—SCHOOL—Jan. 11, by School Comrs., 2 story, basement, rein.-con., brick, stone, Main St. and Lafayette Blvd. $300,000. Austin & Shambleau, 111 North Lafayette Ave., archts. Noted July 19.

Mich., Detroit—SCHOOL—Dec. 28, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Broadway Ave., 2 story, basement, 176 x 224 ft., rein.-con., brick, steel, stone, plain found., Grand River Ave. and Meyers Rd. $250,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., archts.

Mich., Hazel Park (br. Detroit) — SCHOOL — Dec. 22, by T. F. Davis, supt. Schools, 2 story, basement, rein.-con., brick, steel, plain found., John R. St. and Nine Mile Rd., for Bd. Educ. $350,000. Noted Oct. 11.

Mich., Highland Park (br. Detroit) — CHURCH—Dec. 17, by Lane, Davenport & Peterson, archts., 1017 Charlevoix Bldg., Detroit, superstructure 3 story, basement, 100 x 150 ft., rein.-con., brick, steel, plain found., Woodward Ave., for Highland Park Baptist Church, c/o architects.

Wash., Seattle — CHURCH — C. Frank Mahon, archt., Orpheum Theatre Bldg., bids about Feb. 3, 2 story, basement, 80 x 220 ft., stone, 18th St. N. and Aloha Sts., for St. Josephs Church, F. Van Hoomison, pastor. $250,000. Noted July 5.

Contracts Awarded

Mass., Medford (br. Boston)—CHURCH—Ripley & Le Boutiller, archts., 45 Bloomfield St., Boston, 1 story, basement, 70 x 160 ft., brick, stone, plain found., to A. B. Carter & Son, Tremont Bldg., Boston, for St. Francis of Assissi Roman Catholic Church, T. J. Golding, pastor. Est. $150,000. Noted Nov. 1.

Conn., West Hartford (br. Hartford) — HIGH SCHOOL—Town, School Bd., 4 story, 60 x 230 ft., brick, steel addition to Junior High School, plain found., to A. F. Peaslee, Inc., 15 Lewis St., Hartford, $232,000. Noted Oct. 11.

N. Y., New York — HOME — Samaritan Home for Aged, H. Davis, in charge, 414 West 22nd St., to Edward Corning Co., 204 East 39th St. Est. $175,000. Noted Oct. 25.

N. J., Raritan—SCHOOL—Bd. Educ. Raritan Twp., general contract 2 story, basement, 120 x 132 ft., brick, steel, addition, plain found., Amboy St. to H. Greisen, 175 Smith St., Perth Amboy., plumbing to Adams & Mulready, 431 Raritan Ave., Highland Park; heating to Jensen & Rodner, Fords, est. $150,000. Noted Nov. 29.

N. J., West Orange—SCHOOL—Fanning & Shaw, archts., 49 Ward St., Paterson, general contract 2 story, basement, 60 x 158 ft. brick, steel, plain found., to G. D. McCarthy, 55 West 42nd St., New York, for Our Lady of Lourdes Roman Catholic Church, N. A. Marnell, pastor, 1 Eagle Rock Ave. Est. $150,000. Noted Oct. 25.

Pa., Greensburg — PHYSICAL EDUCATIONAL—Seton Hill College for Women, general contract 1 and 2 story, brick, steel, to Duquesne Constr. Co., Cypress and Aspen Sts., Pittsburgh. Est. $150,000.

Md., Baltimore—PHYSIOLOGY—Archer & Allen, archts., Central Savings Bank Bldg., Allen, archts., Central Savings Bank Bldg., 6 story, basement, 71 x 96 ft., rein.-con., brick, steel addition, to Cogswell-Koether Co., 406 Park Ave., for Johns Hopkins University, Wolfe and Bway. Sts. Noted Nov. 22.

Mich., Detroit—CONVENT—J. W. O'Connor, archt., 162 East 37th St., New York, 3 story, basement, 46 x 198 ft., rein.-con., brick, stone, plain found., to Martin & Krausmann, 955 East Jefferson Ave., for Societie Marie Repartrice, 69 Burlingame Ave. Noted Nov. 1.

Ill., Chicago—GYMNASIUM—Armstrong, Furst & Tilton, archts., 129 North Dearborn St., general contract 1 and 2 story, incl. shower and locker rooms, 25 x 60 ft. natatorium, Kenwood Ave. near Midway, to Bulley & Andrews, 2040 West Harrison St., for University of Chicago, 189 West Madison St. Est. $400,000.

Ill., Park Ridge—HIGH SCHOOL—Main High School Bd. School Dirs., c/o C. Rhodes, 340 West Harrison St., Chicago, general contract 2 story, rein.-con., brick, stone, to H. A. Hanson Constr. Co., 608 South Dearborn St., Chicago; plumbing, to J. I. Elliott, 4422 Cottage Grove Ave., Chicago; for Bd. Educ. Est. $400,000. Noted Oct. 6, 1927.

Ark., North Little Rock (Ind. br. Little Rock) — SCHOOL — Bd. Educ., W. H. Phipps, secy., 4 story, basement, concrete, stone, to W. Peterson Co., Little Rock, $294,987. Noted Oct. 11.

Federal Government Work

Proposed Work

R. I., Newport—REPAIRING DERRICK—Spec. 5620 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., at U. S. Naval Station.

Tex., Brownsville—CHANNEL WORK—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Bids Asked

Delaware and Maryland—DREDGING—Jan. 4, by U. S. Engineer Office, Wilmington, Del., 120,370 cu. yd. for two turning basins in Inland Waterway from Delaware River to Chesapeake Bay (Chesapeake and Delaware Canal); adv. E. N.-R. Dec. 13. Noted Nov. 15.

O., Chillicothe — INFIRMARY, etc. — Jan. 8, by U. S. Veterans' Bureau Arlington Bldg., Wash., D. C., infirmary building, laundry, walks and drainage at U. S. Veterans' Hospital.

Bids Received

Va., Norfolk—WHARF—U. S. Engineer Office, Nov. 17, timber wharf and granolithic walk at Jamestown Island, from W. L. Jones Constr. Co., Elizabeth City, N. C., $15,699 (120 days). Noted Oct. 25.

Fla., Pensacola—BRIDGE—Spec. 5646—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Dec. 5, 1,800 ft. bridge between here and Naval Air Station, from Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., concrete piling $1.80 per ft., splices for composite piles at $30 each, rest of work, incl. test piles and leads $89,160; from J. W. Eley, Pensacola, wooden piling $0.75 per ft. Noted Nov. 1.

Ill., Maywood — FENCE and ROAD — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Dec. 4, gatehouse, fence and road at Edward Hines, Jr. Hospital, from Suburban Paving & Impvt. Co., 205 West

Federal Government Work (Continued)

Walker Dr., Chicago, Ill., $33,600. Noted Nov. 15.

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 461 Market St., San Francisco, Nov. 20, grading Alder Creek-Eleven-Mile Sect., Wawona Rd., Mariposa Co., from LeTourneau & Lindberg, Stockton, $63,837.

Contracts Awarded

Mass., Chelsea (br. Boston)—HOSPITAL—Treas. Dpt. at office Supervising Archt., Wash., D. C., addition to nurses home, U. S. Marine Hospital, to S. Glazer, Everett, $7,800. Noted May 31.

Pa., Lancaster — POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., 2 story, basement post office, to A. Blair, 1st Natl. Bank Bldg., Montgomery, Ala., $360,636 (450 days). Noted Dec. 6.

Delaware and Maryland — DOLPHINS, etc. — U. S. Engineer Office, Wilmington, Del., Nov. 26, mooring dolphins and walks along Inland Waterway from Delaware River to Chesapeake Bay (Chesapeake and Delaware Canal), from General Contg. Co., Inc., head North 8th St., Camden, N. J. at $0.58 per lin.ft. Noted Nov. 1.

Louisiana—REVETMENT—U. S. Engineer Office, New Orleans, to H. A. Schoenberger, Triumph, wooden revetment in Barataria and Lake Borne Levee Dists. $6,895, to E. Winfield, Gravoly, Pointe-a-la-Hache, St. Rosalie Levee, $5,841, Ollie Levee $8,556, Myrtle Grove Levee $13,851, Monsecour Levee $5,334; Suburban Club Levee, $14,193, Chalmelte Cemetery, $3,120, and Upper Pointe-a-la-Hache Levee $2,020. Grand total $59,810.

Ind., Anderson — EXTENSION — Treas. Dpt. at office Supervising Archt., Wash., D. C., extending and remodeling U. S. Post Office, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $122,485 (425 days). Noted Dec. 6.

Ill., Rock Island—ROCK and BRUSH—U. S. Engineer Office, furnishing and placing rock and brush in Mississippi River to C. Pope, Dubuque, Ia., $17,574; to E. G. Sigfriend, Cassville, Wis., $6,250, to F. J. Saengling, Guttenberg, Ia., $18,268; to E. Eberhard, Guttenberg, Ia., $58,917; and to C. C. Outnam, Bellevue, Ia., $20,154. Grand total $121,164.

Ia., Newton — POST OFFICE — Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office, to McGough Bros., St. Paul, Minn., $109,561 (400 days). Noted Nov. 29.

N. M., Santa Fe—EXTENSION—Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling and extending U. S. Court House, to J. V. Grogan, East Las Vegas, $164,432 (450 days). Noted Nov. 29.

Calif., San Diego — REFRIGERATION BASES, etc. — Spec. 5747 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., refrigerator bases and machines, to Frigidaire Corp., 1313 New York Ave., Wash., D. C., $2,292 (60 days). Noted Nov. 22.

Unclassified

Proposed Work

STADIUM—**Jersey City, N. J.**—Bd. Commissioners, City Hall, rein.-con., 15,000 seating capacity stadium, near Boyles Thirty Acres, Montgomery St. $50,000. Engineer and architect not selected.

SWIMMING POOL, etc.—**Seaside, N. J.**—Arlington Beach Bathing Co., c/o E. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, 75 x 100 ft., rein.-con., glazed brick swimming pool, one hundred 1 story bath houses, 500 locker rooms. $150,000. Noted Nov. 22.

LIGHTING SYSTEM, etc. — **Statesville, N. C.** — City sold $270,000 bonds, lighting and sewerage systems, etc.

GRADE SEPARATION—**Detroit, Mich.**—Wayne Co. Road Com., Barlum Tower Bldg., viaduct for carrying Fort St. over railroads, Fort St. $1,200,000.

SWITCH SYSTEM—**Port Huron, Mich.**—Detroit Edison Co., 2000 2nd St., Detroit, outdoor switching system, concrete found., Bunco Creek Power Plant. $300,000. Private plans.

SKATING RINK — **Champaign, Ill.** — State Athletic Assn., G. Huff, dir. new gymnasium building, Champaign, soon takes bids 1 story, rein.-con., brick, 5th and Armory Sts. $200,000. Holabird & Root, 333 North Michigan Ave., Chicago, archts.

GOLF COURSE, etc.—**Glenview, Ill.**—See "Buildings—Commercial."

GRAIN ELEVATOR—**Kansas City, Kan.**—Wood Bros. Corp., Kansas City, Mo., grain elevator, rein.-con. $1,000,000. Private plans.

SUBWAY—**St. Louis, Mo.**—See "Streets and Roads."

UNDERGROUND TELEPHONE SYSTEM — **Alva, Okla.** — Southwestern Bell Telephone Co., 3rd St. and Bway., Oklahoma City, changing overhead wire system to underground cable system. $60,000. Private plans.

UNDERPASS—**Ponca City, Okla.**—City preliminary plans 1 span 160 x 40 ft., rein.-con. underpass under Santa Fe R.R. at Highland Ave. $75,000. H. W. Crawford, Ponca City, engr.

UNDERGROUND CABLE—**Las Animas, Colo.**—See "Buildings—Commercial."

HYDRO ELECTRIC—**Denver, Colo.**—Jones Bros., c/o B. M. Jones, engr., 2325 West St., Pueblo, 30,000 kilowatt hydroelectric plant North St. Vrain canyon between Copeland Park and Lyons, Colo. $5,000,000. Private plans.

WATER POWER DEVELOPMENT—**St. Jerome, Que.** — Regent Knitting Mills Ltd., 1202 St. Law Bldg., Montreal, water power development on North River. $65,000.

TRANSFORMER—**New Toronto, Ont.**—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, 3,000 kva., 3 phase 25 cycle 2,200 to 110,000 volts in New Toronto sub-station. F. A. Gaby, c/o owner, ch. engr.

Bids Asked

OIL TANKS—**North Weymouth** (Ind. br. Boston), **Mass.**—See "Contracts Awarded."

BOILER, etc. — **Central Islip, N. Y.**—Jan. 9, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, additional boiler, stack and equipment for central heating plant, Central Islip State Hospital; adv. E. N.-R. Dec. 13.

REFRIGERATION EQUIPMENT — **Marcy, N. Y.**—Jan. 9, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, refrigeration equipment, Dining-Kitchen Unit, Marcy Div., Utica State Hospital; adv. E. N.-R. Dec. 13.

SUBWAY—**New York, N. Y.**—Dec. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 5, Route 106, Rapid Transit R.R. along and under Grand Blvd. and Concourse from point near East 183rd St. to point near East Kingsbridge Rd.

TRACKS, etc.—**New York, N. Y.**—Dec. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing tracks and contract rail for part of Rapid Transit R.R.

REFRIGERATION EQUIPMENT—**Rochester, N. Y.** — Jan. 9, by Commissioner Dpt. Mental Hygiene, Albany, refrigeration equipment, kitchen and dining room, Building 3, Rochester State Hospital; adv. E. N.-R. Dec. 13.

COMFORT STATION—**Rockaway Park** (Ind. sta. Far Rockaway), **N. Y.**—Dec. 18, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, comfort station. Noted Aug. 23.

ELECTRIC GENERATOR—**Rome, N. Y.**—Jan. 9, by Commissioner Dpt. Mental Hygiene, Albany, electric generator for Rome State School; adv. E. N.-R. Dec. 13.

STEEL STANDARDS, etc.—**Paducah, Ky.**—See "Contracts Awarded."

TUNNEL—**Apple Creek, O.**—See "Buildings—Industrial."

LIGHTING SYSTEM — **Chicago, Ill.** — Dec. 19, by West Chicago Park Comrs., Garfield Park, ornamental lighting system on Augusta Blvd. between North Kedzie and west line Elston Aves. J. D. Robertson, pres.

CARS—**St. Louis, Mo.**—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., taking bids 2,000 box, 500 coal, 500 stock, and 40 all-steel passenger train cars, 60 cabooses.

SWIMMING POOL—**Beverly Hills, Calif.**—Dec. 26, by City Council, 45 x 150 ft., main pool 45 x 12 ft., wading pool, concrete, tile, chlorination and filtration systems will be installed. $65,000.

FIRE ALARM SYSTEM, SUBWAY, INCINERATORS—**Montreal, Que.**—City Council orders referendum on Jan. 8, 9, 10, for $3,700,000 inclusive of $1,500,000 for fire alarm system, $880,000 subways under the Canadian Pacific R.R., $550,000 incinerators, $300,000 combined fire and police stations at Henry and Notre Dame de Grace. Noted Feb. 16.

WHARF—**Cobourg, Ont.**—Dec. 27, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, reconstructing Esplanade Wharf. $30,000.

Contracts Awarded

BUS TERMINAL—**Fall River, Mass.**—Interstate Ltd. Motor Coach Co., A. P. Russell, South Station, Boston, 1 story, bus terminal, brick, to Greany & Sherry, Inc., 825 Davol St. Est. exceeds $25,000. Noted Dec. 6.

OIL TANKS—**North Weymouth** (Ind. br. Boston), **Mass.**—Standard Oil Co. of New York, Park Sq. Bldg., Boston, eight 45 x 125 ft. and one 45 x 100 ft. oil tanks, steel, two 2,000 gal. underground tanks, 60 x 100 ft., concrete garage, Fore River Section, separate contracts. Private plans.

CENTRAL HEATING PLANT — **West Hartford** (br. Hartford), **Conn.** — St. Thomas Seminary, M. F. McAuliffe, pastor, brick, stone central heating plant, to W. H. O'Neill, 983 Main St., Hartford. Est. $25,000.

STEEL STANDARDS, etc.—**Paducah, Ky.**—Kentucky Utilities Co., installing steel standards for trolley wires and street lamps, also 58 street lamps; day labor. $40,000. W. F. Bradshaw, city engr.

GRADE SEPARATION—**Michigan**—C. L. Cowgill, resident engr., Plymouth, approaches to grade separation on 0.341 mi. FOS1-19, C-S, Washtenau Co., to O. J. Trusdeau, 5203 Wabash St., Detroit, for State Hy. Dpt., Lansing, $36,259.

LOADING DOCK — **Detroit, Mich.** — A. Kahn, archt., 1000 Marquette Bldg., 15 x 600 ft. concrete slab loading dock on concrete piers, 2,200 ft. steel tracks for approach to dock, to W. E. Wood Co., 1805 Ford Bldg., for Dodge Bros. Division, Chrysler Corp., 341 Massachusetts Ave. Est. $50,000. Noted Nov. 29.

CULVERTS—**Montezuma, Ia.**—Poweshiek Co., 24 culverts to A. Emmert, Grinnell, $9,450; 10 culverts, to Christensen Bros., Tyler, Minn., $6,200; 19 culverts and high truss bridge, to Metropolitan Bridge Co., Omaha, Neb., $12,236. Grand total $27,886.

GRAIN ELEVATOR—**McPherson, Kan.**—Wall-Ragalsky Elevator Co., 150,000 bu., rein.-con. elevator, to Jones-Hettelsater Constr. Co., 708 Mutual Bldg., Kansas City, Mo. Est. $40,000. Noted Oct. 4.

OIL PIPE LINE—**Texas and Illinois**—Texas-Empire Pipe Line Co., Bartlesville, Okla., 3,358,000 ft. 12¾ in. pipe weighing 72,000 tons or 2,800 carloads for 636 mi. oil pipe line from Mid-Continent Oil fields in Texas to Chicago, Ill., to A. O. Smith Corp., 27th and Keefe Sts., Milwaukee, Wis. Total est. $15,000,000. Noted Nov. 22.

PIPE LINE—**Texas**—Shell Pipe Line Co., c/o Shell Bldg., St. Louis, Mo., furnishing 40,000 tons 10 in. electrically welded steel pipe for 100 mi. pipe line, to A. O. Smith Corp., 27th and Keefe Sts., Milwaukee, Wis.

LAND DEVELOPMENT—**Crystal City, Tex.**—Jackson & Pullian, Crystal City, developing 6,000 acre sub-division near here, incl. grading and road building. $40,000. Owners build. Private plans.

TANKS — **Pampa, Tex.** — Texas Corp., Houston and Port Arthur, 588 tons structural steel for two 80,000 bbl. tanks, near here, to Phoenix Iron Wks., Meadville, Pa.

CARS, etc. — **Hamilton, Ont.** — Canadian Pacific R.R., Windsor Sta., Montreal, Que., and Canadian Natl. R.R., St. James St., Montreal, Que., 1,000 box cars, 50 express refrigerator cars, 200 automobile cars, 2 sleeping cars and 2 parlor cafe car frames, 300 flat cars, to National Steel Car Co. Ltd., Kenilworth Ave., N. $5,600,000.

Materials

Bids Asked

FUEL OIL, etc.—**Long Island City, N. Y.**—Dec. 19, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 800,000 gal. fuel oil; 533 tons quick lime; 40,000 gal. fuel oil, navy standard; 20,000 gal. furnace oil.

CORPORATION COCKS, etc. — **New York, N. Y.**—Dec. 17, by P. J. Dooling, comr. Purchase, Municipal Bldg., corporation cocks and hydrant parts for Dpt. Water Supply, Gas & Electricity; metals and castings to Dpts. Correction, Parks, Pub. Welfare, Street Cleaning, Water Supply, Gas & Electricity; hardware, nails, bolts, nuts, washers, rivets and screws.

GRAVEL, etc.—**Louisiana**—Dec. 21, by State Hy. Comn., Reymond Bldg., Baton Rouge, washed and screened gravel, sand-clay gravel, reef shell, clam shell, crushed limestone, slag and sand for Maintenance Dpt. during January 1929. J. M. Fourmy, Baton Rouge, hy. engr.

BRIDGE LUMBER—**Montezuma, Ia.**—Dec. 18, at office Auditor Poweshiek Co., 7 cars standard sawed bridge lumber. C. E. Olson, Montezuma, co. engr.

Foreign

South America, Chile, San Fandiago—Bd. Foreign Missions of Methodist Church, 150 5th Ave., New York, N. Y. plans girls college, here. $300,000. Engineer and architect not disclosed.

See proposal advertising on page 127

Constr. News page 323

UNIT PRICES

Viaduct—Youngstown, O.

Board of Directors of Mahoning Valley Sanitary District, 901 City Bank Bldg., opened bids Oct. 5, Ohltown Viaduct and approach road, Contract 10. Project includes nine-span reinforced-concrete arch bridge across valley of Meander Creek, Weathersfield Township, at point about a quarter of a mile south of settlement of Ohltown, together with approach roads connecting with Austintown-Warren Rd. on east and Vandivort Rd. on west. Involves 37,800 cu.yd. excav. and 10,400 cu.yd. concrete masonry. Seventeen bids were received. Unit prices of lowest six and highest bidders, together with average prices of lowest six and average of all bids are given below. Bidders are: (A) Pitt Construction Co., 913 Empire Bldg., Pittsburgh; (B) A. Guthrie & Co., Inc., St. Paul, Minn.; (C) Price Brothers Co., Dayton, O.; (D) Porterfield-Binger Construction Co., Youngstown; (E) H. E. Culbertson Co., Cleveland; (F) Miller-Taylor Construction Co., Waterloo; (G) Folwell Engineering Co., Chicago. W. H. Dittoe, chief engineer. G. Gale Dixon, deputy chief engineer.

	A	B	C	D	E	F	G	Average of Unit Prices 6 Lower Bids	All Bids
1,000 cu.yd. sheeting and bracing, cofferdams and pumping	$1,000.00	$10,000.00	$6,000.00	$12,500.00	$2,000.00	$11,265.00	$20,000.00	$7,127.50	$9,639.41
7,700 cu.yd. removal of topsoil	.50	.35	.50	.60	.50	.40	1.10	.48	.61
28,000 cu.yd. earth excav. for structures	1.50	.70	.90	.60	1.50	1.00	1.34	1.03	1.40
1,100 cu.y. earth excav.—grading and borrow	.40	.40	.65	.50	.50	.54	.75	.50	.59
3,700 lin.ft. rock excavation	2.50	3.75	5.50	5.00	2.50	4.00	5.35	3.88	3.83
1,100 cu.yd. finishing shoulders, slopes and ditches	.30	.50	.40	.15	.12	.13	.30	.27	.26
1 acre placing loam	.50	1.00	1.00	.80	.75	.54	1.80	.76	.92
330 cu.yd. seeding	200.00	250.00	400.00	200.00	200.00	250.00	500.00	250.00	246.46
3,300 sq.yd. screened gravel backing	3.00	2.60	3.25	3.00	3.50	3.00	4.75	3.06	3.35
16,000 bbl. stone slope paving	3.50	3.00	3.30	3.50	3.75	4.50	7.35	3.60	3.96
1,650 cu.yd. portland cement	2.50	2.25	2.50	2.18	2.25	2.25	3.24	2.32	2.57
5,300 cu.yd. conc. masonry—in abutments	10.00	9.75	9.30	11.00	9.75	8.00	12.50	9.63	11.91
2,750 cu.yd. conc. masonry—in piers	10.00	10.50	9.00	11.00	10.25	8.00	12.50	9.80	11.67
1,100 cu.yd. conc. masonry—in arch-ring	15.00	16.50	15.30	15.00	18.75	20.00	15.85	16.76	19.38
100 cu.yd. conc. masonry—in spandrel and wing walls	20.00	16.50	15.10	16.50	17.50	18.00	18.40	17.27	19.05
500,000 lb. conc. masonry—miscellaneous	30.00	30.00	20.00	16.50	15.00	20.00	36.75	21.92	19.27
6,600 sq.ft. steel reinforcement	.04	.04	.425	.05	.045	.04	.0515	.043	.045
12,000 sq.ft. bush hammering	.04	.08	.15	.075	.20	.15	.37	.116	.156
Special rubbed finish	.05	.10	.10	.125	.06	.10	.12	.089	.094
800 lin.ft. viaduct railing (lump sum)	8,500.00	9,240.00	9,890.00	7,865.00	5,000.00	12,000.00	21,750.00	8,749.16	11,083.35
1,400 sq.yd. structural expansion joints	2.00	1.10	1.25	1.50	.90	1.25	1.10	1.33	1.27
1,800 sq.yd. waterproofing type "A"	.60	.95	.65	.40	.95	.40	1.33	.66	.79
3,800 cu.yd. waterproofing type "B"	1.25	2.35	1.80	1.00	2.45	1.50	3.30	1.72	2.00
12,500 sq.yd. spandrel fill	.95	1.70	1.55	1.40	1.50	2.00	4.40	1.51	1.75
2,200 lin.ft. bituminous macadam road surfacing	1.50	1.75	2.40	2.00	2.20	2.30	3.38	2.02	2.31
1,600 lin.ft. timber curb guard	.20	.10	.25	.25	.30	.20	.45	.22	.29
6,200 lin.ft. highway guard rail	.75	.85	.60	.70	.80	1.00	1.15	.78	.87
5 tons electric conduit	.25	.16	.17	.15	.20	.22	.45	.19	.29
5,500 lb. cast iron pipe	80.00	50.00	100.00	70.00	100.00	100.00	147.00	83.33	90.70
Miscellaneous iron castings	.10	.15	.10	.06	.10	.06	.12	.095	.098
Totals	$272,604	$284,226	$289,287	$289,895	$292,379	$295,084	$417,367		

Engineering News-Record, Issue of December 13, 1928

Road—Ft. Scott, Kan.

Bourbon Co. opened bids Aug. 30 grading and bituminous macadam paving on F. A. P. 335A, 4.499 mi. long, 18 ft. wide, 8 in. base and 2½ in. wearing surface. Bidders are: (A) O. O. Fuller, Nevada, Mo., (awarded contract); (B) Reed & Wheelock, Pittsburg; (C) Nevada Construction Co., Nevada, Mo.; (D) Thogmartin & Son. H. C. McCinley, engineer.

	A	B	C	D
33,134.3 cu.yd. excav. in earth	$0.40	$0.40	$0.45	$0.50
2,991.3 cu.yd. excav. in borrow	.40	.30	.45	.40
291.8 cu.yd. excav. in rock	1.50	.30	1.85	2.00
323.3 cu.yd. conc. class A	19.00	18.50	19.00	19.50
7.00 cu.yd. conc. class E	40.00	40.00	35.00	35.00
28,990.0 lbs. reinf. steel	.05	.045	.05	.05
840 lin.ft. guard fence	.80	.80	.85	.70
194 lin.ft. 15 in. culvert metal pipe	2.00	2.00	2.75	2.00
160 lin.ft. 18 in. culvert metal pipe	2.50	2.50	3.40	2.40
280 lin.ft. 24 in. culvert metal pipe	4.00	4.00	4.60	2.90
20 lin.ft. 36 in. culvert metal pipe	6.00	6.00	5.35	5.10
143.53 sta. hedge removal	.10	.10	.10	.10
176 lin.ft. blind drains	.15	.10	.15	.20
6 hog wire wash checks	4.00	10.00	4.25	6.00
48,075.0 sq.yd. pavement	1.23	1.24	1.20	1.29
120,187 gal. bitumen	.14	.15	.15	.15
840 sq.yd. rip-rap	1.10	.75	1.50	1.25
200 roller hours	2.00	1.00	2.45	2.50
Totals	$111,037	$111,944	$113,562	$118,896

Engineering News-Record, Issue of December 13, 1928

Bridge—Arizona

State Highway Commission, Phoenix, opened bids Oct. 8, Hassayampa Bridge on Phoenix-Yuma Highway, F. A. P. 71. Lowest three and highest bidders are: (A) E. S. Johnson, Pasadena, Calif., (awarded contract); (B) Wickes Engineering & Construction Co., Des Moines; (C) Levy Construction Co., Denver; (D) Lee Moor Construction Co., El Paso, Tex.

	A	B	C	D
100 sq.yd conc. pav. (C.I.P.)	$3.00	$3.00	$3.00	$3.50
164 cu.yd. borrow (fill inside abuts.)	1.00	1.50	0.80	1.00
573 cu.yd. borrow (fill outside abuts.)	0.50	0.75	.40	0.35
940 cu.yd. excav. (Unclass.)	1.50	11.00	6.30	8.50
24 cu.yd.class "AA"conc.(C.F.C.)	50.00	30.00	58.00	75.00
1,158 cu.yd.class"A"conc.(C.F.C.)	21.50	22.00	26.00	25.00
145,765 lb. rein. steel (C.I.P.)	.06	.05	.0515	.06
28 roller bridge seats (C.I.P.)	40.00	45.00	59.00	60.00
102 cu.yd. removing old conc.	5.00	7.00	6.60	6.00
Dismantling and piling steel spans	1,000.00	400.00	600.00	1,000.00
Removing and salvaging pile trestle	250.00	100.00	275.00	400.00
Totals	$39,883	$47,274	$48,789	$51,892
10% engineering and contingencies	3,988	4,727	4,878	5,189
Grand totals	43,871	52,001	53,668	57,081

Engineering News-Record, Issue of December 13, 1928

Constr. News page 330